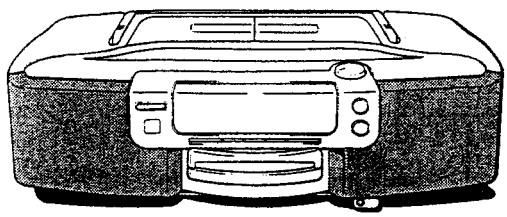
aiwa

CSD-SR700

SERVICE MANUAL



COMPACT DISC STEREO RADIO
CASSETTE RECORDER

- BASIC TAPE MECHANISM : 0ZM – 6 PR2N
- BASIC CD MECHANISM : KSL – 2101ABM
- TYPE. HD,Z

SPECIFICATIONS

GENERAL

Type	Compact disc stereo radio cassette recorder
Power source	CSD-SR700Z AC 230-240 V, 50 Hz CSD-SR700HD AC 115 V/230 V (switchable), 50/60 Hz
Output	5 W + 5 W (EIAJ/6Ω)
Power consumption	
	CSD-SR700Z 46 W
	CSD-SR700HD 33 W
Speakers	100 mm cone type (2)
Output terminal	PHONES jack: 3.5 ø stereo mini type (1) 290 mV/17 Ω
Dimensions (W × H × D)	
	540 × 172 × 218 mm
	21³/₈ × 6⁷/₈ × 8³/₈ in.
Weight	Approx. 5.5 kg (Approx. 12.1 lb)

Compact disc section

Disc	Compact disc
Scanning method	Non-contact optical scanner (semi-conductor laser application)
Laser	Semiconductor laser λ=780 nm
Rotation speed	Approx. 500-200 rpm/CLV
Error correction	Cross Interleave, Reed Solomon Code
No. of channels	2
D.A. conversion	16-bit linear

Cassette deck section

Track format	4 tracks/2 channels
Recording format	AC bias
Erasing format	AC erase
Heads	Playback head (1) Recording/playback head (1) Erasure head (1)
Frequency response	
	Normal tape (Recording/playback): 40-12,500 Hz
	CrO_2 tape (Recording/playback): 40-14,000 Hz
	Metal tape (Playback only): 40-16,000 Hz

Tuner section

Frequency ranges	
	CSD-SR700Z FM: 87.5–108 MHz MW: 531/530–1602/1710 kHz (9/10 kHz step) LW: 153–288 kHz
	CSD-SR700HD FM: 87.5–108 MHz AM: 531/530–1602/1710 kHz (9/10 kHz step)
Antennas	CSD SR700Z Whip antenna for FM Ferrite bar antenna for MW and LW
	CSD-SR700HD Whip antenna for FM Ferrite bar antenna for AM

- Design and specifications are subject to change without notice.
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S/M Code No. 09 – 938 – 030 – 50T

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PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!
WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.

- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion.
  Undgå udsættelse for stråling.

VAROITUS!
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

CLASS 1
LASER PRODUCT

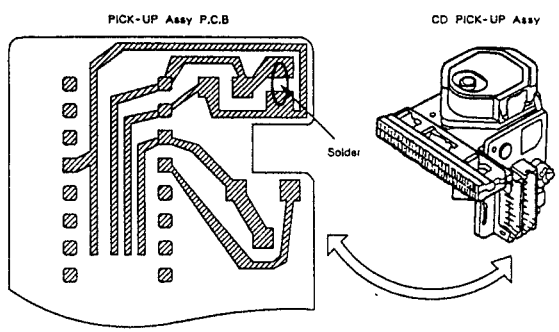
LUOKAN 1
LASERLAITE

KLASS 1
LASER APPARAT

Precaution to replace Optical block (KSS – 210A)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the right figure.

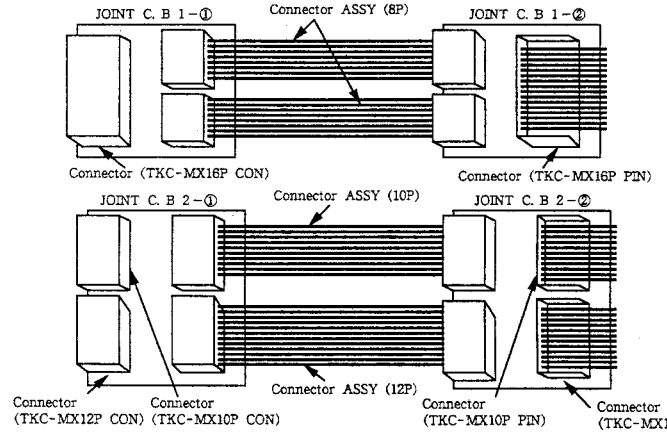


CAUTIONS WHEN SERVICING

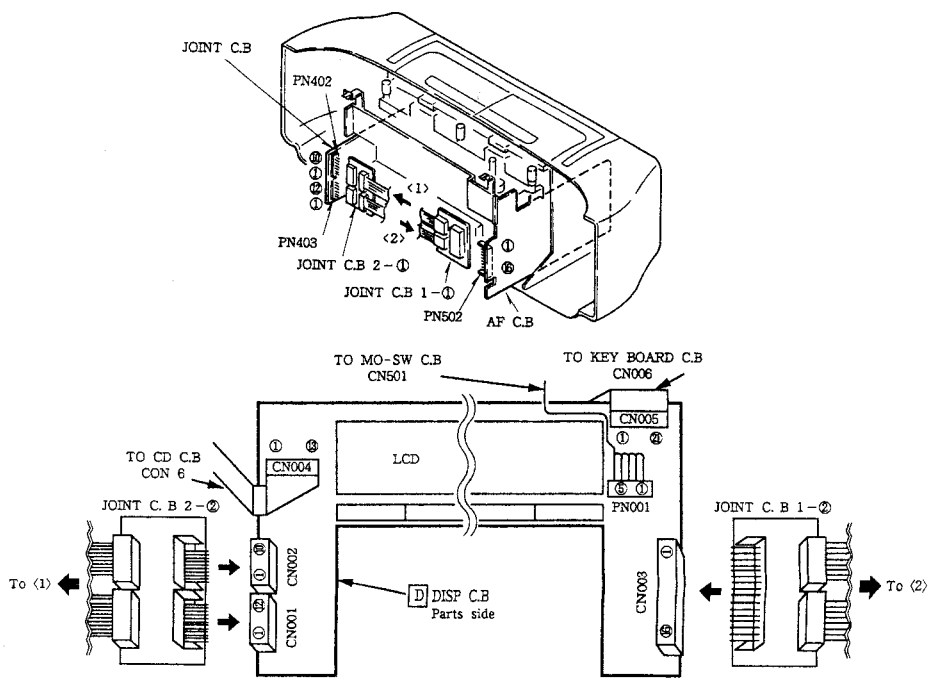
Parts number of the CSD-SR700 extension jig

PARTS NO	DESCRIPTION
09-001-266-010	JIG-KIT (CSD-SR700)

1) Assembling the Jig
1-1) Solder each connector and connector ASSY to JOINT C, B × 4 to assemble the extension jigs. (See Figure-1.)



2) Connecting the Jig
2-1) Connect each extension jig as illustrated in the following figure. (See Figure-2.)



DISASSEMBLY INSTRUCTIONS

1. "Cabinet, Front" Removal (See Figure-1)

1) Remove the knob.
2) Remove the 9 screws (Ⓐ) and remove the "Cabinet, Front".
   Note) Remove the "Cabinet, Front" together with the "Connector, SP".

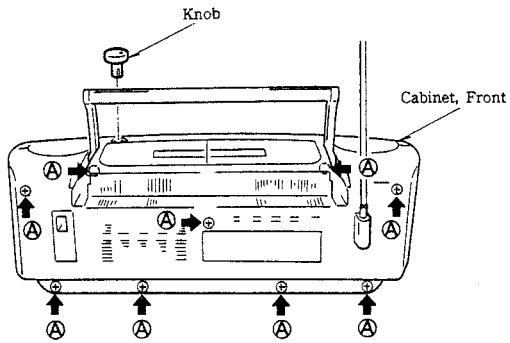


Fig-1

2. "Unit, Center" Removal (See Figure-2)

1) Remove the two connectors of the "C.B, Tuner" and remove the connector of the "PT C.B".
2) Pull out the "Unit, Center" in the direction of arrow ①.

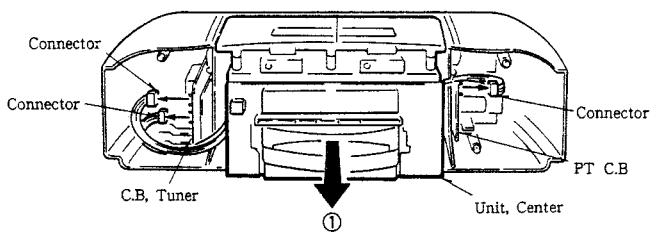


Fig-2

3. "Cassette Mechanism ASSY" Removal (See Figure-3)

1) Remove the 6 screws (Ⓐ) and remove the "Cassette BOX ASSY".
2) Remove the 3 screws (Ⓑ) and remove the "Cassette Mechanism ASSY".
   Note 1) For wiring, see Figure-3-1.
   Note 2) For hooking the spring, see Figure-3-2.

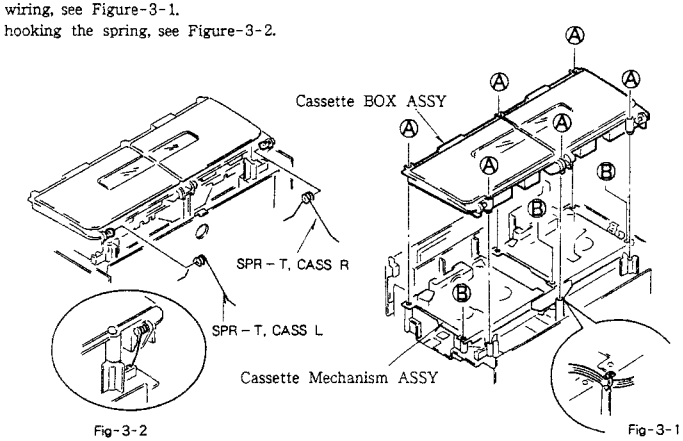


Fig-3-2　　Fig-3-1

Fig-3

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
IC			
	87-020-793-080		IC, CXA-1081M
	82-CD1-657-010		IC, LC67216A-4B94
	87-002-862-010		IC, NJM2904L
	87-002-264-080		IC, TA8176F
	87-020-794-110		IC, CXA-1082BQ
	87-002-669-010		IC, GP1U571X
	87-002-268-010		IC, LA1851N
	87-002-218-010		IC, XRC5451AP
	87-002-901-080		IC, BU4094BF
	87-001-944-010		IC, CXD-1167Q
	87-001-927-080		IC, LC 7218M
	87-017-429-080		IC, TDA1311A(T)
	87-017-486-080		IC, BA6397FP
	87-002-900-080		IC, BU4051 BF
	87-002-722-080		IC, BA3830F
	87-002-394-010		IC, L81641
	87-002-427-010		IC, BA6209N
	87-001-209-010		IC, LA3246
	87-001-440-010		IC, BA15218N
	87-002-454-010		IC, BA 3126N
	87-002-444-010		IC, BU4094B
	87-001-485-010		IC, TA8207K
	87-027-842-080		IC, NJM2904M
	87-002-967-080		IC, BU4052BF
	87-020-730-080		IC, TC4069UBF
⚠	87-002-330-010		IC, ICP-N5
⚠	87-001-132-080		IC, ICP-N38
TRANSISTOR			
	89-327-143-080		C-TR, 2SC2714(O)
	87-026-227-080		C-TR, DTA114EK
	89-109-521-080		TR, 2SA952K
	87-026-235-080		C-TR, DTC114EK
	87-026-233-080		TR, DTA114TK
	87-026-229-080		C-TR, DTA143XK(Z)
	87-026-211-080		C-TR, DTA144EK
	87-026-237-080		C-TR, DTC124XK
	89-327-124-080		C-TR, 2SC2712Y
	87-026-232-080		C-TR, DTA144WK
	87-026-226-080		C-TR, DTA143EK
	89-502-114-080		FET, 2SK211Y
	89-113-187-880		TR, 2SA1318TU
	87-026-234-080		C-TR, DTC143EK
	89-213-292-080		TR, 2SB1329, Q
	89-502-094-080		FET, 2SK209Y
	87-026-214-080		TR, DTA114YS
	87-026-291-080		TR, DTC124XS
	87-026-463-080		TR, 2SA933S(RS)
	89-333-317-880		TR, 2SC 3331 TU
	87-026-462-080		TR, 2SC1740S(RS)
	89-112-965-080		TR, 2SA1296GR
	89-333-266-080		C-TR, 2SC3326B
	89-332-654-080		C-TR, 2SC3265Y
	89-113-625-080		C-TR, 2SA1362GR
	87-026-230-080		C-TR, DTA114YK
	87-026-213-080		C-TR, DTC114YK
	89-213-702-010		TR, 2SB1370E
	89-213-293-080		TR, 2SB1329R
	89-111-624-080		C-TR, 2SA1162Y
DIODE			
	87-020-125-080		C-DIODE, 1SS181
	87-020-339-080		C-DIODE, 1SS226
	87-002-289-080		C-DIODE DAN235K(Z)
	87-002-645-080		ZENER, HZ9A1L
	87-027-556-080		ZENER, HZ11B3
	87-020-027-080		C-DIODE, 1SS184
	87-002-646-080		ZENER, HZ5C1
	87-020-764-080		C-ZENER, 02CZ4. 7X
	87-020-585-080		ZNER 02CZ6. 2Y
	87-002-963-080		C-ZENER, 02CZ6. 8X
	87-020-465-080		DIODE, 1SS133
	87-001-913-080		ZENER, UTZJ5. 6B
	87-002-225-010		DIODE OBF 40C-K10
	87-020-584-080		C-ZENER, 02CZ5. 6Y
	87-017-210-050		ZENER, MTZJ2. 4A, B RA
	87-017-572-080		C-ZENER, 02CZ10X
	87-020-588-080		C-ZENER, 02CZ 8. 2Y
	87-002-968-080		C-ZENER, 02CZ33
TUNER C. B			
BPF1	87-030-254-080		FILTER, BPMB 6AT
C1	87-010-312-080		C-CAP, S 15P-50 CH
C2	87-010-312-080		C-CAP, S 15P-50 CH
C3	87-015-819-080		C-CAP, 0. 01-50 B K
C4	87-010-178-080		C-CAP, S 1000P-50 B
C5	87-010-151-080		C-CAP, S 7P-50 CH
C6	87-010-197-080		C-CAP, S 0. 01-25 B
C7	87-010-544-080		CAP, E 0. 1-50
C8	87-010-146-080		C-CAP, S 2P-50 CH
C9	87-010-151-080		C-CAP, S 7P-50 CH
C10	87-010-322-080		C-CAP, S 100P-50 CH(Z)
C10	87-010-321-080		C-CAP, S 82P-50 CH(HD)
C11	87-010-312-080		C-CAP, S 15P-50 CH(HD)
C11	87-010-145-080		C-CAP, S 1P-50 CH(Z)
C12	87-010-197-080		C-CAP, S 0. 01-25 B
C13	87-012-157-080		C-CAP, S 330P-50 CH
C14	87-010-148-080		C-CAP, S 4P-50 CH
C15	87-010-312-080		C-CAP, S 15P-50 CH
C16	87-010-178-080		C-CAP, S 1000P-50 B
C17	87-010-197-080		C-CAP, S 0. 01-25 B
C18	87-010-197-080		C-CAP, S 0. 01-25 B
C19	87-010-312-080		C-CAP, S 15P-50 CH
C20	87-010-197-080		C-CAP, S 0. 01-25 B
C21	87-010-197-080		C-CAP, S 0. 01-25 B
C22	87-010-197-080		C-CAP, S 0. 01-25 B
C23	87-010-197-080		C-CAP, S 0. 01-25 B
C24	87-010-322-080		C-CAP, S 100P-50 CH(Z)
C25	87-012-156-080		C-CAP, S 220P-50 CH
C26	87-018-104-080		CAP, TC-U 10P-50 SL
C27	87-018-125-080		CAP, TC-U 330P-50 B
C28	87-010-147-080		C-CAP, S 3P-50 CH
C31	87-010-544-080		CAP, E 0. 1-50
C33	87-010-198-080		C-CAP, S 0. 022-25 B(Z)
C35	87-012-154-080		C-CAP, S 150P-50 CH(Z)
C36	87-010-321-080		C-CAP, S 82P-50 CH(Z)
C37	87-012-158-080		C-CAP, S 390P-50 CH
C38	87-010-336-080		C-CAP, S 18P-50 UJ
C51	87-010-198-080		C-CAP, S 0. 022-25 B(Z)
C52	87-010-198-080		C-CAP, S 0. 022-25 B
C53	87-010-198-080		C-CAP, S 0. 022-25 B
C54	87-010-198-080		C-CAP, S 0. 022-25 B
C56	87-010-198-080		C-CAP, S 0. 022-25 B
C57	87-010-197-080		C-CAP, S 0. 01-25 B(Z)
C58	87-010-154-080		C-CAP, S 10P-50 CH(Z)
C59	87-010-178-080		C-CAP, S 1000P-50 B(Z)
C62	87-010-198-080		C-CAP, S 0. 022-25 B(Z)
C71	87-010-197-080		C-CAP, S 0. 01-25 B
C72	87-010-198-080		C-CAP, S 0. 022-25 B
C73	87-010-248-080		CAP, E 220-10 SME
C74	87-010-402-080		CAP, E 2. 2-50 SME
C75	87-010-198-080		C-CAP, S 0. 022-25 B
C76	87-010-196-080		C-CAP, S 0. 1-25 F
C77	87-012-156-080		C-CAP, S 220P-50 CH
C78	87-010-401-080		CAP, E 1-50 SME

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C79	87-010-401-080		CAP, E 1-50 SME
C80	87-010-546-080		CAP, E 0.33-50 SME
C81	87-010-401-080		CAP, E 1-50 SME
C82	87-010-196-080		C-CAP, S 0.1-25 F
C83	87-010-197-080		C-CAP, S 0.01-25 B
C84	87-010-401-080		CAP, E 1-50 SME
C85	87-010-197-080		C-CAP, S 0.01-25 B
C86	87-010-404-080		CAP, E 4.7-50 SME
C87	87-010-401-080		CAP, E 1-50 SME
C89	87-010-197-080		C-CAP, S 0.01-25 B
C90	87-010-405-080		CAP, E 10-50 SME
C91	87-010-545-080		CAP, E 0.22-50 SME
C92	87-010-545-080		CAP, E 0.22-50 SME
C93	87-010-178-080		C-CAP, S 1000P-50 B(HD)
C93	87-010-180-080		C-CAP, S 1500P-50 B(Z)
C94	87-010-178-080		C-CAP, S 1000P-50 B(HD)
C94	87-010-180-080		C-CAP, S 1500P-50 B(Z)
C95	87-010-182-080		C-CAP, S 2200P-50 B(HD)
C95	87-010-183-080		C-CAP, S 2700P-50 B(Z)
C96	87-010-182-080		C-CAP, S 2200P-50 B(HD)
C96	87-010-183-080		C-CAP, S 2700P-50 B(Z)
C97	87-010-221-080		CAP, E 470-10
C98	87-010-197-080		C-CAP, S 0.01-25 B
C113	87-010-178-080		C-CAP, S 1000P-50 B
C114	87-010-178-080		C-CAP, S 1000P-50 B
C115	87-010-322-080		C-CAP, S 100P-50 CH
C116	87-010-322-080		C-CAP, S 100P-50 CH
C117	87-010-322-080		C-CAP, S 100P-50 CH
C118	87-010-322-080		C-CAP, S 100P-50 CH
C119	87-010-197-080		C-CAP, S 0.01-25 B
C120	87-010-263-080		CAP, E 100-10
C121	87-010-197-080		C-CAP, S 0.01-25 B
C122	87-010-197-080		C-CAP, S 0.01-25 B
C123	87-015-952-080		CAP, E 2.2-50 LL
C124	87-010-197-080		C-CAP, S 0.01-25 B
C125	87-012-149-080		C-CAP, S 30P-50 CH(Z)
C125	87-010-317-080		C-CAP, S 39P-50 CH(HD)
C126	87-010-315-080		C-CAP, S 27P-50 CH(Z)
C126	87-010-316-080		C-CAP, S 33P-50 CH(HD)
C135	87-010-318-080		C-CAP, S 47P-50 CH
C136	87-010-405-080		CAP, E 10-50 SME
C137	87-010-197-080		C-CAP, S 0.01-25 B
CF1	87-008-264-010		FLTR, SFE 10.7MS2-A(Z)
CF1	87-008-261-010		FLTR, SFE10.7MA5-A(HD)
CF2	87-008-264-010		FLTR, SFE 10.7MS2-A(Z)
CF2	87-008-261-010		FLTR, SFE10.7MA5-A(HD)
CT1	87-011-221-080		CAP TRIMMER 30P VCT51(Z)
CT2	87-011-219-080		CAP TRIMMER 10P VCT(Z)
CT2	87-011-220-080		CAP TRIMMER 20P VCT(HD)
IFT1	87-008-470-010		IFT FM (QUAD) PS(Z)
IFT1	87-008-458-010		IFT, FM(QUAD)PS(HD)
L1	87-003-118-010		COIL, 0.27UH
L3	87-003-098-080		COIL, 2.2UH
L4	87-003-152-080		COIL, 100UH
L6	87-003-152-080		COIL, 100UH
L7	87-007-253-010		COIL OSC LW, PS(Z)
L8	87-007-301-010		COIL, OSC MW, PS
L9	82-CD1-656-010		BAR ANT, EX MW/LW(W/L10) (Z)
L10	82-CD1-673-010		BAR ANT, EX MW(HD)
MFT1	87-008-460-010		FLTR, CFMT 450PS
SFR1	87-024-173-080		SFR, 22K DIA6 V
SFR2	87-024-172-080		SFR, 10K DIA6 V
VC1	87-002-283-080		C-VARI-CAP, SVC209-TA
VC2	87-002-283-080		C-VARI-CAP, SVC209-TA
VC3	87-026-435-080		C-VARICAP, KV1560(Z)
VC4	87-026-435-080		C-VARICAP, KV1560
X1	87-030-217-010		VIB, XTAL 7.2MHZ(HD)
X2	87-030-218-010		VIB, CER KBR-457 HS15

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
AF C.B			
C501	87-010-401-080		CAP, E 1-50 SME
C502	87-010-401-080		CAP, E 1-50 SME
C503	87-010-322-080		C-CAP, S 100P-50 CH
C504	87-010-322-080		C-CAP, S 100P-50 CH
C505	87-012-365-080		C-CAP, S 0.027-25V BK
C506	87-012-365-080		C-CAP, S 0.027-25V BK
C507	87-010-197-080		C-CAP, S 0.01-25 B
C508	87-010-197-080		C-CAP, S 0.01-25 B
C509	87-010-186-080		C-CAP, S 4700P-50 B
C510	87-010-186-080		C-CAP, S 4700P-50 B
C511	87-010-186-080		C-CAP, S 4700P-50 B
C512	87-010-186-080		C-CAP, S 4700P-50 B
C513	87-010-179-080		C-CAP, S 1200P-50 B
C514	87-010-179-080		C-CAP, S 1200P-50 B
C515	87-010-545-080		CAP, E 0.22-50 SME
C516	87-010-545-080		CAP, E 0.22-50 SME
C517	87-010-186-080		C-CAP, S 4700P-50 B
C518	87-010-186-080		C-CAP, S 4700P-50 B
C519	87-010-196-080		C-CAP, S 0.1-25 F
C520	87-010-196-080		C-CAP, S 0.1-25 F
C525	87-010-545-080		CAP, E 0.22-50 SME
C526	87-010-545-080		CAP, E 0.22-50 SME
C527	87-012-140-080		C-CAP, S 470P-50 CH
C528	87-012-140-080		C-CAP, S 470P-50 CH
C529	87-016-128-080		CAP, E 22-25 105
C530	87-016-128-080		CAP, E 22-25 105
C531	87-016-128-080		CAP, E 22-25 105
C532	87-016-128-080		CAP, E 22-25 105
C533	87-010-263-080		CAP, E 100-10
C534	87-010-263-080		CAP, E 100-10
C535	87-010-263-080		CAP, E 100-10
C536	87-010-263-080		CAP, E 100-10
C541	87-010-405-080		CAP, E 10-50 SME
C542	87-010-405-080		CAP, E 10-50 SME
C543	87-010-186-080		C-CAP, S 4700P-50 B
C544	87-010-186-080		C-CAP, S 4700P-50 B
C545	87-010-149-080		C-CAP, S 5P-50 CH
C546	87-010-149-080		C-CAP, S 5P-50 CH
C547	87-010-186-080		C-CAP, S 4700P-50 B
C548	87-012-154-080		C-CAP, S 150P-50 CH
C549	87-010-149-080		C-CAP, S 5P-50 CH
C550	87-010-805-080		C-CAP, S 1-16 F
C551	87-010-404-080		CAP, E 4.7-50 SME
C552	87-010-384-080		CAP, E 100-25 SME
C553	87-010-263-080		CAP, E 100-10
C554	87-010-263-080		CAP, E 100-10
C555	87-010-042-080		CAP, E 47-25 105
C556	87-010-042-080		CAP, E 47-25 105
C557	87-010-042-080		CAP, E 47-25 105
C558	87-010-260-080		CAP, E 47-25 SME
C559	87-010-042-080		CAP, E 47-25 105
C560	87-010-260-080		CAP, E 47-25 SME
C563	87-010-196-080		C-CAP, S 0.1-25 F
C564	87-010-384-080		CAP, E 100-25 SME
C565	87-010-196-080		C-CAP, S 0.1-25 F
C566	87-010-247-080		CAP, E 100-50 SME
C567	87-010-197-080		C-CAP, S 0.01-25 B
C568	87-010-403-080		CAP, E 3.3-50 SME
C570	87-010-374-080		CAP, E 47-10
C571	87-010-404-080		CAP, E 4.7-50 SME
C572	87-010-404-080		CAP, E 4.7-50 SME
C573	87-010-405-080		CAP, E 10-50 SME
C574	87-010-405-080		CAP, E 10-50 SME
C575	87-010-405-080		CAP, E 10-50 SME
C576	87-010-405-080		CAP, E 10-50 SME
C577	87-010-149-080		C-CAP, S 5P-50 CH
C581	87-012-157-080		C-CAP, S 330P-50 CH
C582	87-012-157-080		C-CAP, S 330P-50 CH

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
J501	87-009-216-010		JACK, DIA3.5 STS
R567	87-025-469-080		RES, NF2.2-1/4WJ
R568	87-025-469-080		RES, NF2.2-1/4WJ
R569	87-025-469-080		RES, NF2.2-1/4WJ
R570	87-025-469-080		RES, NF2.2-1/4WJ
SFR501	87-024-272-080		SFR, 10K DIA6 V
SFR502	87-024-272-080		SFR, 10K DIA6 V
VR1	87-024-580-010		VR, 50KBX2 W/MOT T
CD C.B			
C2	87-010-146-080		C-CAP, S 2P-50 CH
C3	87-010-154-080		C-CAP, S 10P-50 CH
C4	87-010-263-080		CAP, E 100-10
C5	87-010-178-080		C-CAP, S 1000P-50 B
C6	87-010-382-080		CAP, E 22-25 SME
C7	87-010-197-080		C-CAP, S 0.01-25 B
C8	87-010-248-080		CAP, E 220-10 SME
C9	87-010-193-080		C-CAP, S 0.033-25 F
C10	87-010-188-080		C-CAP, S 6800P-50 B
C11	87-010-188-080		C-CAP, S 6800P-50 B
C12	87-010-193-080		C-CAP, S 0.033-25 F
C13	87-010-193-080		C-CAP, S 0.033-25 F
C14	87-010-197-080		C-CAP, S 0.01-25 B
C15	87-010-263-080		CAP, E 100-10
C16	87-010-197-080		C-CAP, S 0.01-25 B
C17	87-010-248-080		CAP, E 220-10 SME
C18	87-010-400-080		CAP, E 0.47-50 SME
C19	87-010-197-080		C-CAP, S 0.01-25 B
C20	87-010-197-080		C-CAP, S 0.01-25 B
C21	87-010-182-080		C-CAP, S 2200P-50 B
C22	87-010-197-080		C-CAP, S 0.01-25 B
C25	87-010-405-080		CAP, E 10-50 SME
C27	87-010-382-080		CAP, E 22-25 SME
C28	87-010-382-080		CAP, E 22-25 SME
C29	87-010-403-080		CAP, E 3.3-50 SME
C32	87-010-197-080		C-CAP, S 0.01-25 B
C33	87-010-400-080		CAP, E 0.47-50 SME
C35	87-010-178-080		C-CAP, S 1000P-50 B
C36	87-010-260-080		CAP, E 47-25 SME
C37	87-010-401-080		CAP, E 1-50 SME
C38	87-010-186-080		C-CAP, S 4700P-50 B
C39	87-010-401-080		CAP, E 1-50 SME
C40	87-015-819-080		C-CAP, 0.01-50 B K
C41	87-010-318-080		C-CAP, S 47P-50 CH
C42	87-010-318-080		C-CAP, S 47P-50 CH
C43	87-010-318-080		C-CAP, S 47P-50 CH
C44	87-010-154-080		C-CAP, S 10P-50 CH
C45	87-010-154-080		C-CAP, S 10P-50 CH
C51	87-010-197-080		C-CAP, S 0.01-25 B
C52	87-010-263-080		CAP, E 100-10
C53	87-010-318-080		C-CAP, S 47P-50 CH
C54	87-010-318-080		C-CAP, S 47P-50 CH
C55	87-010-318-080		C-CAP, S 47P-50 CH
C56	87-010-196-080		C-CAP, S 0.1-25 F
C57	87-010-197-080		C-CAP, S 0.01-25 B
C61	87-010-197-080		C-CAP, S 0.01-25 B
C62	87-010-371-080		CAP, E 470-6.3
C65	87-010-402-080		CAP, E 2.2-50 SME
C66	87-010-402-080		CAP, E 2.2-50 SME
C69	87-010-178-080		C-CAP, S 1000P-50 B
C70	87-010-178-080		C-CAP, S 1000P-50 B
C80	87-010-196-080		C-CAP, S 0.1-25 F
C81	87-010-221-080		CAP, E 470-10
C82	87-010-197-080		C-CAP, S 0.01-25 B
C83	87-010-196-080		C-CAP, S 0.1-25 F
C84	87-010-196-080		C-CAP, S 0.1-25 F
C85	87-010-196-080		C-CAP, S 0.1-25 F
C86	87-010-248-080		CAP, E 220-10 SME
C87	87-010-197-080		C-CAP, S 0.01-25 B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C88	87-010-221-080		CAP, E 470-10
C89	87-010-197-080		C-CAP, S 0.01-25 B
C90	87-010-404-080		CAP, E 4.7-50 SME
C100	87-010-260-080		CAP, E 47-25 SME
C101	87-010-196-080		C-CAP, S 0.1-25 F
C102	87-010-221-080		CAP, E 470-10
C103	87-010-197-080		C-CAP, S 0.01-25 B
C104	87-010-197-080		C-CAP, S 0.01-25 B
C105	87-010-196-080		C-CAP, S 0.1-25 F
C106	87-010-197-080		C-CAP, S 0.01-25 B
C109	87-010-197-080		C-CAP, S 0.01-25 B
C110	87-010-197-080		C-CAP, S 0.01-25 B
C111	87-010-197-080		C-CAP, S 0.01-25 B
C112	87-010-381-080		CAP, E 330-16 SME
C113	87-010-322-080		C-CAP, S 100P-50 CH
C114	87-010-322-080		C-CAP, S 100P-50 CH
C115	87-010-318-080		C-CAP, S 47P-50 CH
C116	87-012-156-080		C-CAP, S 220P-50 CH
C117	87-010-381-080		CAP, E 330-16 SME
EM1	87-008-474-080		F-BEAD, EM1 BL02RN1
L1	87-003-295-080		COIL, 10UH
L2	87-003-295-080		COIL, 10UH
L4	87-003-102-080		COIL, 10UH
R28	87-022-214-080		C-RES, S 100K-1/10WF
R29	87-022-214-080		C-RES, S 100K-1/10WF
SFR1	87-024-173-080		SFR, 22K DIA6 V
SFR2	87-024-173-080		SFR, 22K DIA6 V
SFR3	87-024-173-080		SFR, 22K DIA6 V
SFR4	87-024-168-080		SFR, 1K DIA6 V
X1	81-592-641-010		CERALOCK 16.93MHZ
DISPLAY C.B			
C1	87-010-197-080		C-CAP, S 0.01-25 B
C2	87-010-421-080		CAP, E 4.7-50 5L
C3	87-010-421-080		CAP, E 4.7-50 5L
C4	87-010-421-080		CAP, E 4.7-50 5L
C5	87-010-421-080		CAP, E 4.7-50 5L
C6	87-010-179-080		C-CAP, S 1200P-50 B
C7	87-016-087-080		C-CAP, S 0.47-16FZ
C8	87-010-401-080		CAP, E 1-50 SME
C9	87-016-088-040		CAP, E 220-6.3 SR
C10	87-010-263-080		CAP, E 100-10
C11	87-010-401-080		CAP, E 1-50 SME
C12	87-010-234-080		CAP, E 47-16 5L
C13	87-010-197-080		C-CAP, S 0.01-25 B
C14	87-010-197-080		C-CAP, S 0.01-25 B
C15	87-010-197-080		C-CAP, S 0.01-25 B
C16	87-010-196-080		C-CAP, S 0.1-25 F
C17	87-010-234-080		CAP, E 47-16 5L
C18	87-010-234-080		CAP, E 47-16 5L
C19	87-010-197-080		C-CAP, S 0.01-25 B
C20	87-010-412-080		CAP, E 10-25 5L
C21	87-010-318-080		C-CAP, S 47P-50 CH
C22	87-010-178-080		C-CAP, S 1000-50 B
FL1	82-MA3-621-010		FL, BJ086GK
LED7	87-017-032-010		LED, SPB-25MVW 3F
LED8	87-017-032-010		LED, SPB-25MVW 3F
LED9	87-017-032-010		LED, SPB-25MVW 3F
LED10	87-017-032-010		LED, SPB-25MVW 3F
LED11	87-017-032-010		LED, SPB-25MVW 3F
LED12	87-017-032-010		LED, SPB-25MVW 3F
LED13	87-017-031-010		LED, SLB-15MW 3F
LED14	87-017-031-010		LED, SLB-15MW 3F
LED15	87-017-031-010		LED, SLB-15MW 3F
LED16	87-017-031-010		LED, SLB-15MW 3F
LED17	87-017-031-010		LED, SLB-15MW 3F
LED18	87-017-031-010		LED, SLB-15MW 3F
SW28	87-036-215-080		SW, TACT EVQ-21404M
SW29	87-036-215-080		SW, TACT EVQ-21404M

REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
SW30	87-036-215-080		SW, TACT EVQ-21404M
X1	89-MX1-704-080		CERA LOCK(MU)3.9MHZ
KEY C.B			
C24	87-010-320-080		C-CAP, S 68P-50 CH
C25	87-010-320-080		C-CAP, S 68P-50 CH
C26	87-010-320-080		C-CAP, S 68P-50 CH
C27	87-010-320-080		C-CAP, S 68P-50 CH
C28	87-010-320-080		C-CAP, S 68P-50 CH
C29	87-010-320-080		C-CAP, S 68P-50 CH
C30	87-010-320-080		C-CAP, S 68P-50 CH
C31	87-010-320-080		C-CAP, S 68P-50 CH
C32	87-010-320-080		C-CAP, S 68P-50 CH
C33	87-010-320-080		C-CAP, S 68P-50 CH
C34	87-010-320-080		C-CAP, S 68P-50 CH
C35	87-010-320-080		C-CAP, S 68P-50 CH
LED1	87-017-030-010		LED, SLR-37MC 3F
LED2	87-017-030-010		LED, SLR-37MC 3F
LED3	87-017-030-010		LED, SLR-37MC 3F
LED4	87-017-030-010		LED, SLR-37MC 3F
LED5	87-017-030-010		LED, SLR-37MC 3F
LED6	87-017-030-010		LED, SLR-37MC 3F
SW1	87-036-215-080		SW, TACT EVQ-21404M
SW2	87-036-215-080		SW, TACT EVQ-21404M
SW3	87-036-215-080		SW, TACT EVQ-21404M
SW4	87-036-215-080		SW, TACT EVQ-21404M
SW5	87-036-215-080		SW, TACT EVQ-21404M
SW6	87-036-215-080		SW, TACT EVQ-21404M
SW7	87-036-215-080		SW, TACT EVQ-21404M
SW8	87-036-215-080		SW, TACT EVQ-21404M
SW9	87-036-215-080		SW, TACT EVQ-21404M
SW10	87-036-215-080		SW, TACT EVQ-21404M
SW11	87-036-215-080		SW, TACT EVQ-21404M
SW12	87-036-215-080		SW, TACT EVQ-21404M
SW14	87-036-215-080		SW, TACT EVQ-21404M
SW16	87-036-215-080		SW, TACT EVQ-21404M
SW17	87-036-215-080		SW, TACT EVQ-21404M
SW18	87-036-215-080		SW, TACT EVQ-21404M
SW19	87-036-215-080		SW, TACT EVQ-21404M
SW20	87-036-215-080		SW, TACT EVQ-21404M
SW21	87-036-215-080		SW, TACT EVQ-21404M
SW22	87-036-215-080		SW, TACT EVQ-21404M
SW23	87-036-215-080		SW, TACT EVQ-21404M
SW24	87-036-215-080		SW, TACT EVQ-21404M
SW25	87-036-215-080		SW, TACT EVQ-21404M
SW26	87-036-215-080		SW, TACT EVQ-21404M
SW27	87-036-215-080		SW, TACT EVQ-21404M
DECK C.B			
C301	87-018-125-080		CAP, TC-U 330P-50 B
C302	87-018-125-080		CAP, TC-U 330P-50 B
C303	87-018-127-080		CAP, TC-U 470P-50 B
C304	87-018-127-080		CAP, TC-U 470P-50 B
C305	87-018-121-080		CAP, TC-U 150P-50 B
C306	87-018-121-080		CAP, TC-U 150P-50 B
C307	87-010-374-080		CAP, E 47-10
C308	87-010-374-080		CAP, E 47-10
C311	87-010-404-080		CAP, E 4.7-50 SME
C312	87-010-404-080		CAP, E 4.7-50 SME
C313	87-010-401-080		CAP, E 1-50 SME
C314	87-010-401-080		CAP, E 1-50 SME
C317	87-010-374-080		CAP, E 47-10
C318	87-010-374-080		CAP, E 47-10
C323	87-010-404-080		CAP, E 4.7-50 SME
C324	87-010-404-080		CAP, E 4.7-50 SME
C325	87-018-131-080		CAP, TC-U 1000P-50 B
C326	87-018-131-080		CAP, TC-U 1000P-50 B
C327	87-018-121-080		CAP, TC-U 150P-50 B

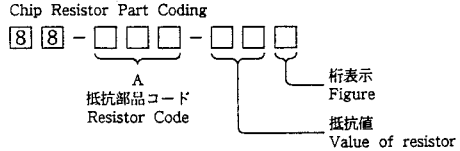
REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
C328	87-018-121-080		CAP, TC-U 150P-50 B
C329	87-018-123-080		CAP, TC-U 220P-50 B
C330	87-018-123-080		CAP, TC-U 220P-50 B
C331	87-010-382-080		CAP, E 22-25 SME
C332	87-010-263-080		CAP, E 100-10
C333	87-010-263-080		CAP, E 100-10
C334	87-010-374-080		CAP, E 47-10
C335	87-010-405-080		CAP, E 10-50 SME
C336	87-010-263-080		CAP, E 100-10
C337	87-018-198-080		CAP, TC-U 2700P-16 X
C338	87-018-198-080		CAP, TC-U 2700P-16 X
C339	87-018-198-080		CAP, TC-U 2700P-16 X
C340	87-018-134-080		CAP, TC-U 0.01-16 Y
C341	87-010-263-080		CAP, E 100-10
C343	87-018-131-080		CAP, TC-U 1000P-50 B
C344	87-010-260-080		CAP, E 47-25 SME
C345	87-018-121-080		CAP, TC-U 150P-50 B
L301	87-005-580-080		COIL, 10MHJ
L302	87-005-580-080		COIL, 10MHJ
L303	87-005-525-080		COIL, 22MH-J
L304	87-005-525-080		COIL, 22MH-J
L305	82-CD1-639-010		COIL, OSC BIAS 85K
SFR301	87-024-171-080		SFR 4.7K DIA6 V
JOINT C.B			
PT C.B			
C401	87-016-308-490		CAP, E 6800-25 KMG
C402	87-018-205-080		CAP, TC-U 0.022-25 F
C403	87-018-205-080		CAP, TC-U 0.022-25 F
C404	87-018-205-080		CAP, TC-U 0.022-25 F
C405	87-018-205-080		CAP, TC-U 0.022-25 F
⚠F1	87-035-192-010		FUSE (E, K) 4A(Z)
⚠F1	87-035-405-010		FUSE, 4A 125V UL, D(HD)
⚠J401	87-049-783-010		JACK, AC D(HD)
⚠J401	87-049-784-010		JACK, AC E(Z)
⚠PT1	82-CD1-655-010		PT ASSY, EX HD(HD)
⚠PT1	82-CD1-654-010		PT ASSY, EX Z(Z)
⚠SW401	87-031-780-010		SW, SLIDE(HD)
MOTOR SW C.B			
C22	87-010-248-080		CAP, E 220-10 SME
C23	87-010-248-080		CAP, E 220-10 SME
M1	87-045-305-010		MOTOR, RF-500TB
SW31	87-036-292-010		SW, LEAF LSA-1135FAU
SW32	87-036-292-010		SW, LEAF LSA-1135FAU
MOTOR-1 C.B			
M3	9X-262-513-210		MOTOR GEAR ASSY
M4	9X-262-513-310		MOTOR ASSY(W/CHASSIS, T.T)
SW1	91-572-085-110		SW, LEAF
MOTOR-2 C.B			
C91	87-010-371-080		CAP, E 470-6.3
C92	87-010-371-080		CAP, E 470-6.3
M5	9X-262-511-710		MOTOR ASSY
SW2	91-572-086-110		SW, LEAF
SW3	91-572-086-110		SW, LEAF
MECHA-1 C.B			
SOL1	86-575-622-010		SOLENOID
SOL2	86-575-622-010		SOLENOID
SW6	87-036-110-010		SW, PUSH SPPB 62
SW7	87-036-110-010		SW, PUSH SPPB 62
SW8	86-575-632-010		SW, LEAF

REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
SW9	87-036-110-010		SW, PUSH SPPB 62
MECHA-2 C.B			
SOL1	86-575-622-010		SOLENOID
SOL2	86-575-622-010		SOLENOID
SW4	87-036-110-010		SW, PUSH SPPB 62
SW5	87-036-109-010		SW, PUSH SPPB 61
SW6	87-036-110-010		SW, PUSH SPPB 62
SW7	87-036-110-010		SW, PUSH SPPB 62
SW8	86-575-632-010		SW, LEAF
SW9	87-036-110-010		SW, PUSH SPPB 62
RELAY-1 C.B			
CON101	82-CD1-617-110		CONN ASSY, 3P PH
PH	87-046-372-010		PH HEAD YK50P
RELAY-2 C.B			
CON102	82-CD1-616-110		CONN ASSY, 7P RPHEH
RPEH	87-046-358-010		R.P.E HEAD HADKH 5580B
BBE C.B			
C1	87-018-127-080		CAP, TC-U 470P-50 B
C2	87-018-127-080		CAP, TC-U 470P-50 B
C3	87-010-401-080		CAP, E 1-50 SME
C4	87-010-401-080		CAP, E 1-50 SME
C5	87-010-401-080		CAP, E 1-50 SME
C6	87-010-401-080		CAP, E 1-50 SME
C7	87-010-401-080		CAP, E 1-50 SME
C8	87-010-401-080		CAP, E 1-50 SME
C9	87-018-205-080		CAP, TC-U 0.022-25 F
C10	87-018-205-080		CAP, TC-U 0.022-25 F

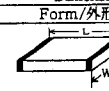
REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
C11	87-018-121-080		CAP, TC-U 150P-50 B
C12	87-018-121-080		CAP, TC-U 150P-50 B
C15	87-010-401-080		CAP, E 1-50 SME
C16	87-010-071-080		CAP, E 1-50 5L
C17	87-010-404-080		CAP, E 4.7-50 SME
C18	87-010-404-080		CAP, E 4.7-50 SME
C21	87-018-122-080		CAP, TC-U 180P-50 B
C22	87-018-122-080		CAP, TC-U 180P-50 B
C23	87-018-205-080		CAP, TC-U 0.022-25 F
C24	87-018-205-080		CAP, TC-U 0.022-25 F
C25	87-010-400-080		CAP, E 0.47-50 SME
C26	87-010-400-080		CAP, E 0.47-50 SME
C27	87-010-404-080		CAP, E 4.7-50 SME
C28	87-010-404-080		CAP, E 4.7-50 SME
C29	87-010-405-080		CAP, E 10-50 SME
C30	87-010-405-080		CAP, E 10-50 SME
C31	87-010-382-080		CAP, E 22-25 SME
C32	87-010-263-080		CAP, E 100-10
C33	87-010-075-080		CAP, E 10-16 5L
C34	87-010-071-080		CAP, E 1-50 5L
C35	87-010-101-080		CAP, E 220-16 SME
C36	87-010-405-080		CAP, E 10-50 SME
C37	87-010-401-080		CAP, E 1-50 SME
MISCELLANEOUS			
	98-848-127-11Z		PICK UP KSS-210A
FT101	82-CD1-630-010		FLAT CABLE 7P CD
FT102	82-CD1-619-010		CABLE, FFC 1.25-21P
FT103	82-CD1-618-010		CABLE, FFC 1.25-13P
M2	87-045-319-010		MOTER
SP1	81-CD1-612-010		SPKR, W
SP2	81-CD1-612-010		SPKR, W

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding

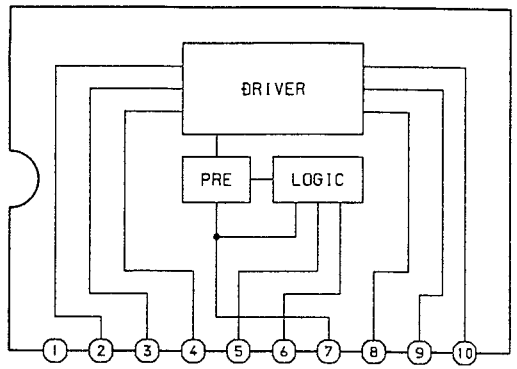


チップ抵抗
Chip resistor

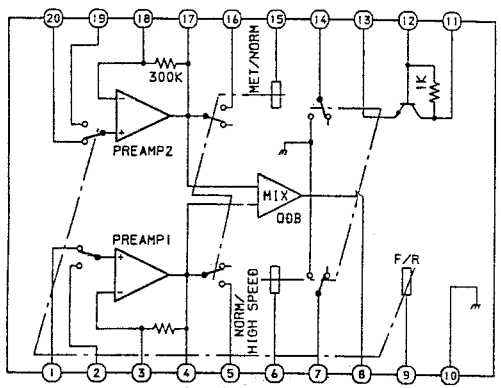
Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Dimensions／寸法 (mm) Form／外形	L	W	t	Resistor Code : A 抵抗コード : A
1/32W	1608	±5%	CJ		1.6	0.8	0.35	108
1/10W	2125	±5%	CJ		2	1.25	1.45	118
1/8W	3126	±5%	CJ		3.2	1.6	0.5 ~0.7	128

IC BLOCK DIAGRAM

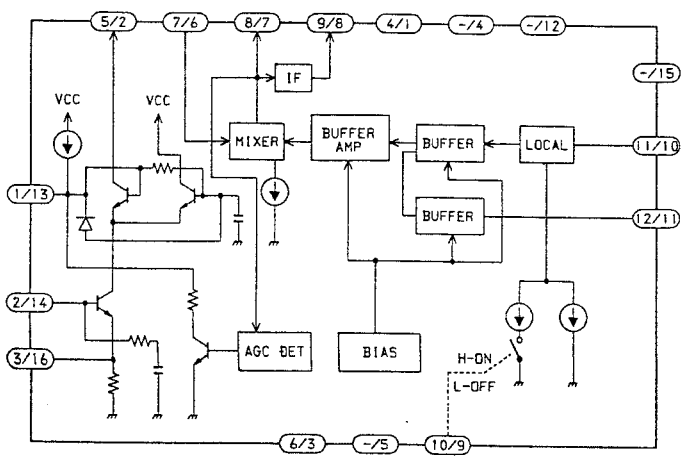
IC,BA6209



IC,LA3246

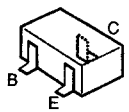


IC,TA8176

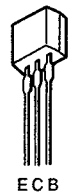


TRANSISTOR ILLUSTRATION

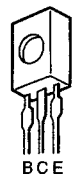
2SA952
2SA1296
2SA1318
2SC3331



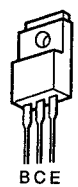
2SA1162
2SA1362
2SC2712
2SC2714
2SC3265
2SC3326
DTA114
DTA143
DTA144
DTC114
DTC124
DTC143



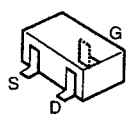
2SA933S
2SC1740S
DTA114YS
DTC124XS



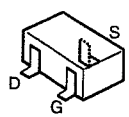
2SB1329



2SB1370



2SK209



2SK211

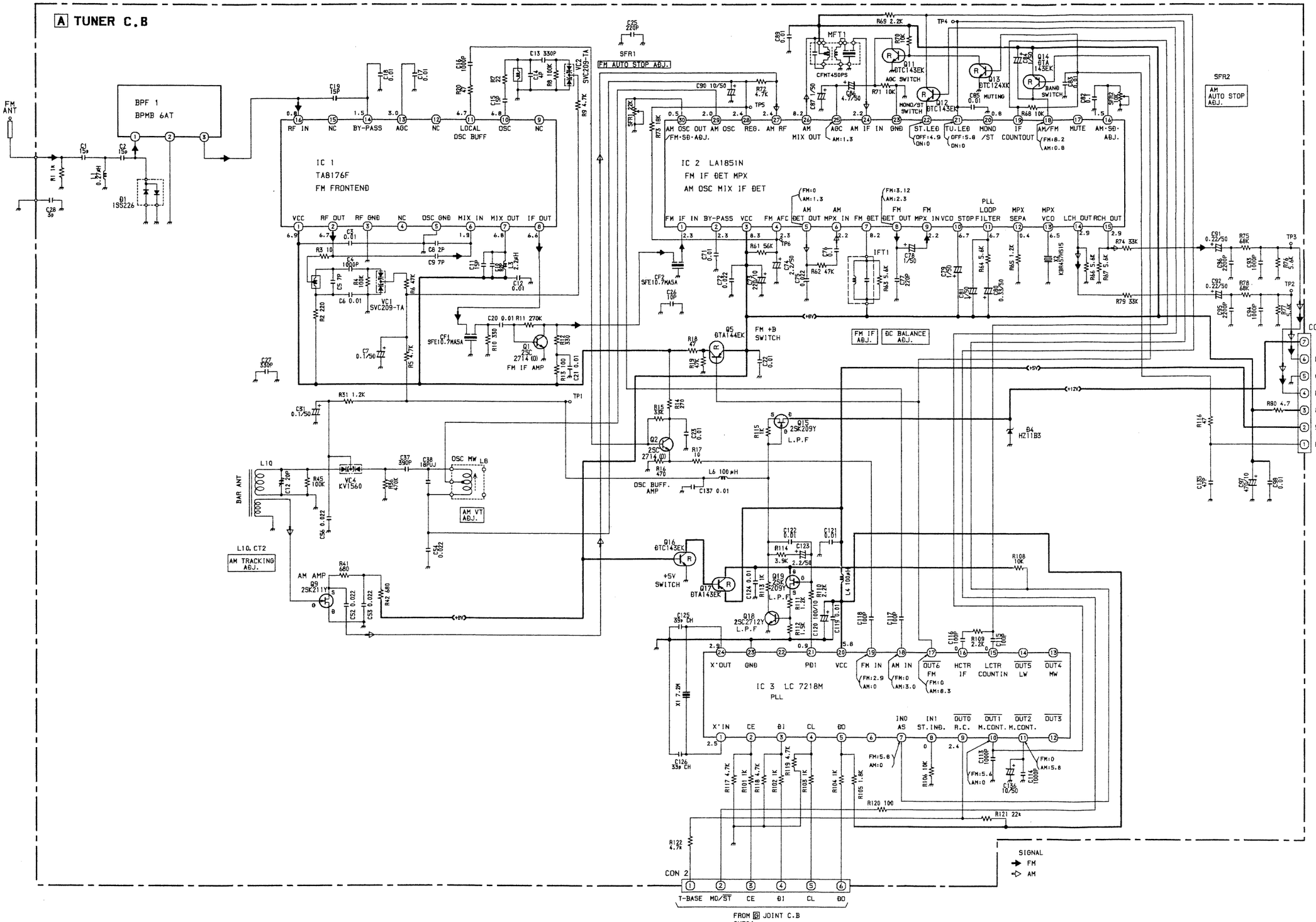
IC DESCRIPTION

See the NSX – 990 for the IC description below.	
CSD – SR700	NSX – 990
IC, LC67216A-4B94	IC, LC67216A-4918
IC, CXD1167Q	IC, CXD1167Q
IC, CXA1081M	IC, CXA1081M
IC, CXA1082BQ	IC, CXA1082BQ

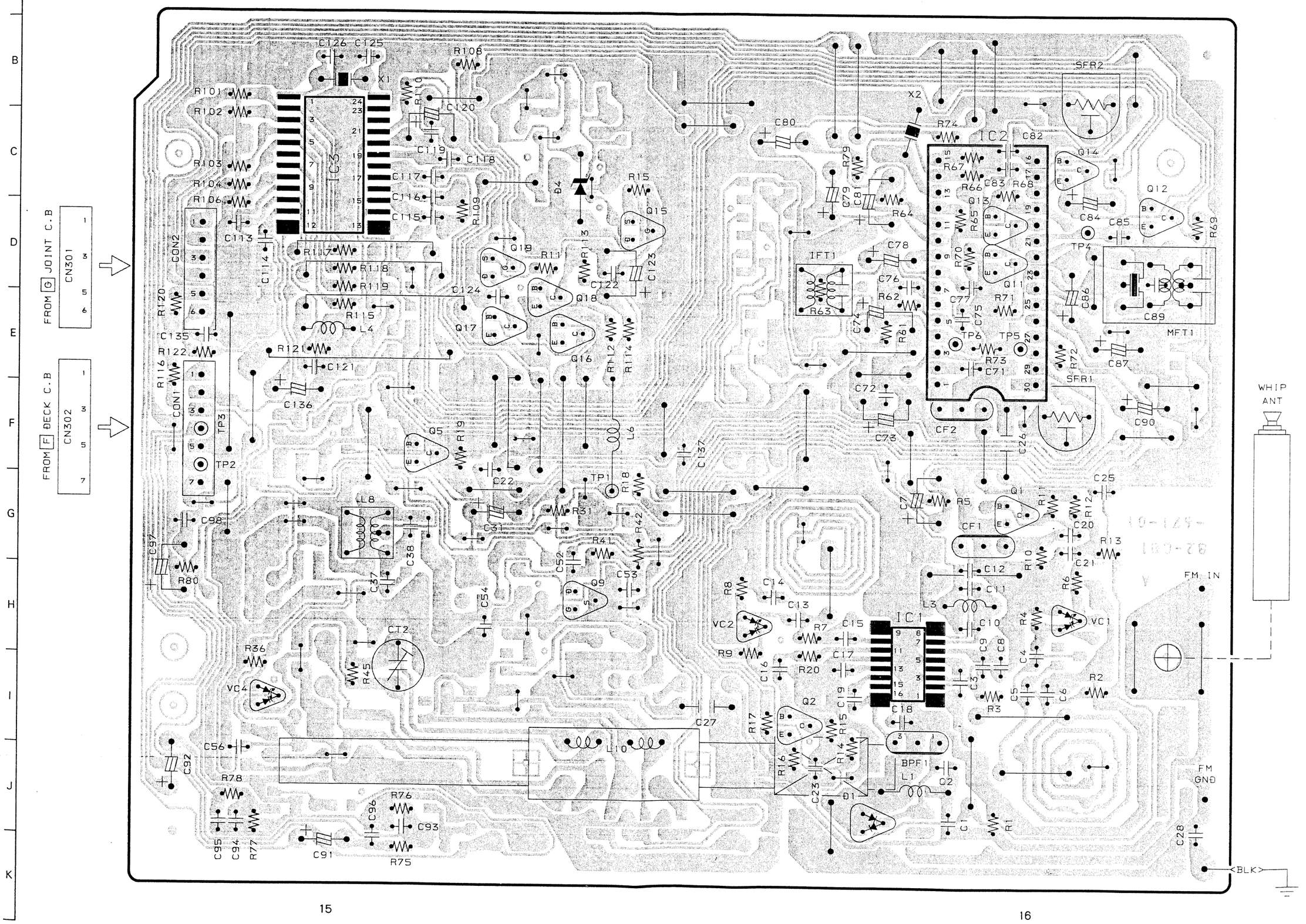
IC BLOCK DIAGRAM

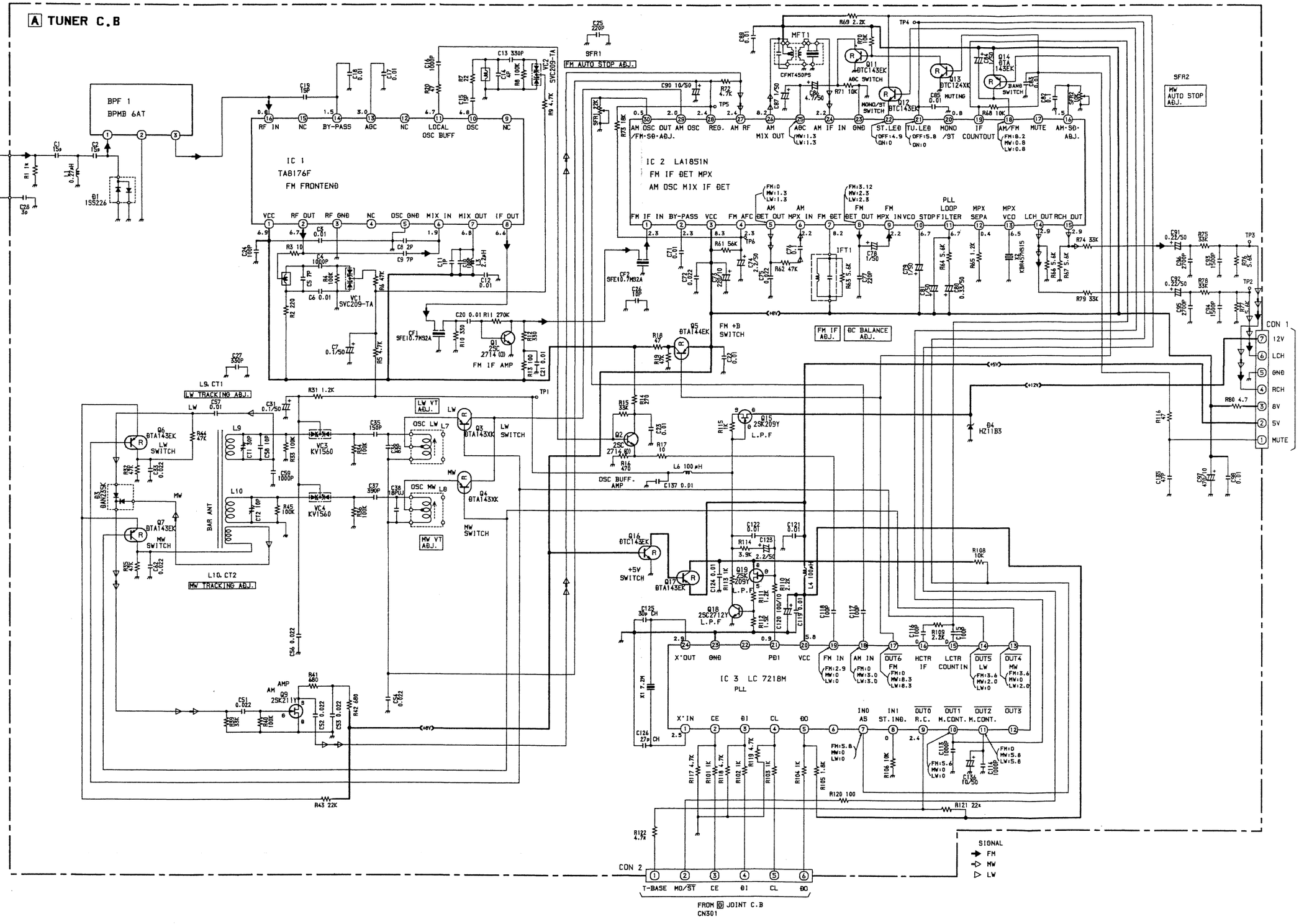
See the NSX – 990 for the IC block diagram below.	
CSD-SR700	NSX-990
IC, BU4094B	IC, BU4094B
IC, BU4051B	IC, BU4051B
IC, BU4052B	IC, BU4052B
IC, BA6296FP	IC, BA6296FP
IC, LB1641	IC, LB1641

SCHEMATIC DIAGRAM – 1 (TUNER : HD)

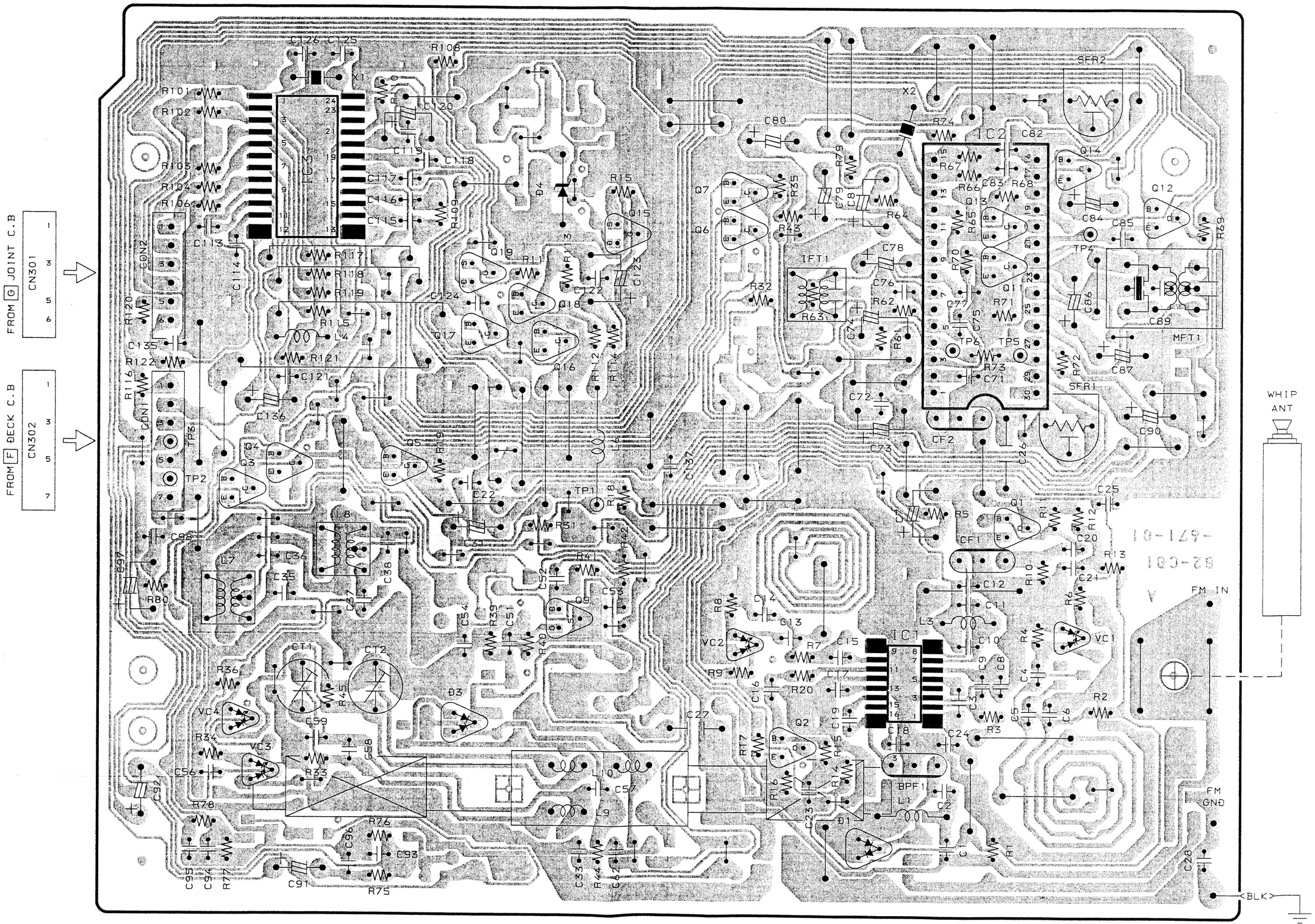


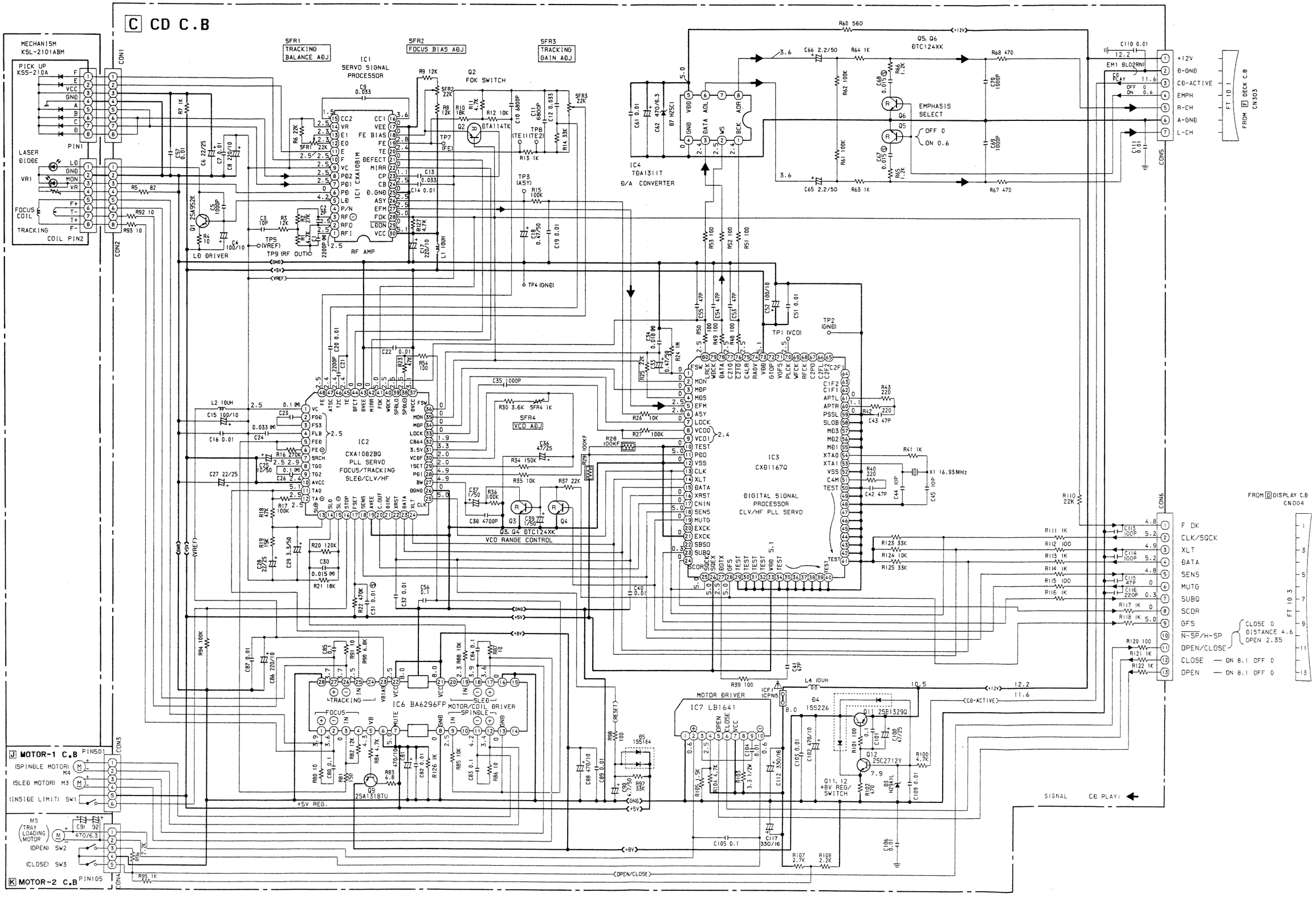
A TUNER C.B


FROM G JOINT C.B
CN301
FROM F BECK C.B
CN302
CON2
CON1
TP3
TP2
TP1
TP4
TP5
TP6
X1
X2
IC3
IC2
IC1
Q1
Q2
Q4
Q5
Q9
Q11
Q12
Q13
Q14
Q15
Q16
Q17
Q18
D1
D4
CF1
CF2
BPF1
IFT1
MFT1
SFR1
SFR2
L1
L3
L4
L6
L8
L10
VC1
VC2
VC4
CT2
WHIP ANT
FM IN
FM GND
<BLK>

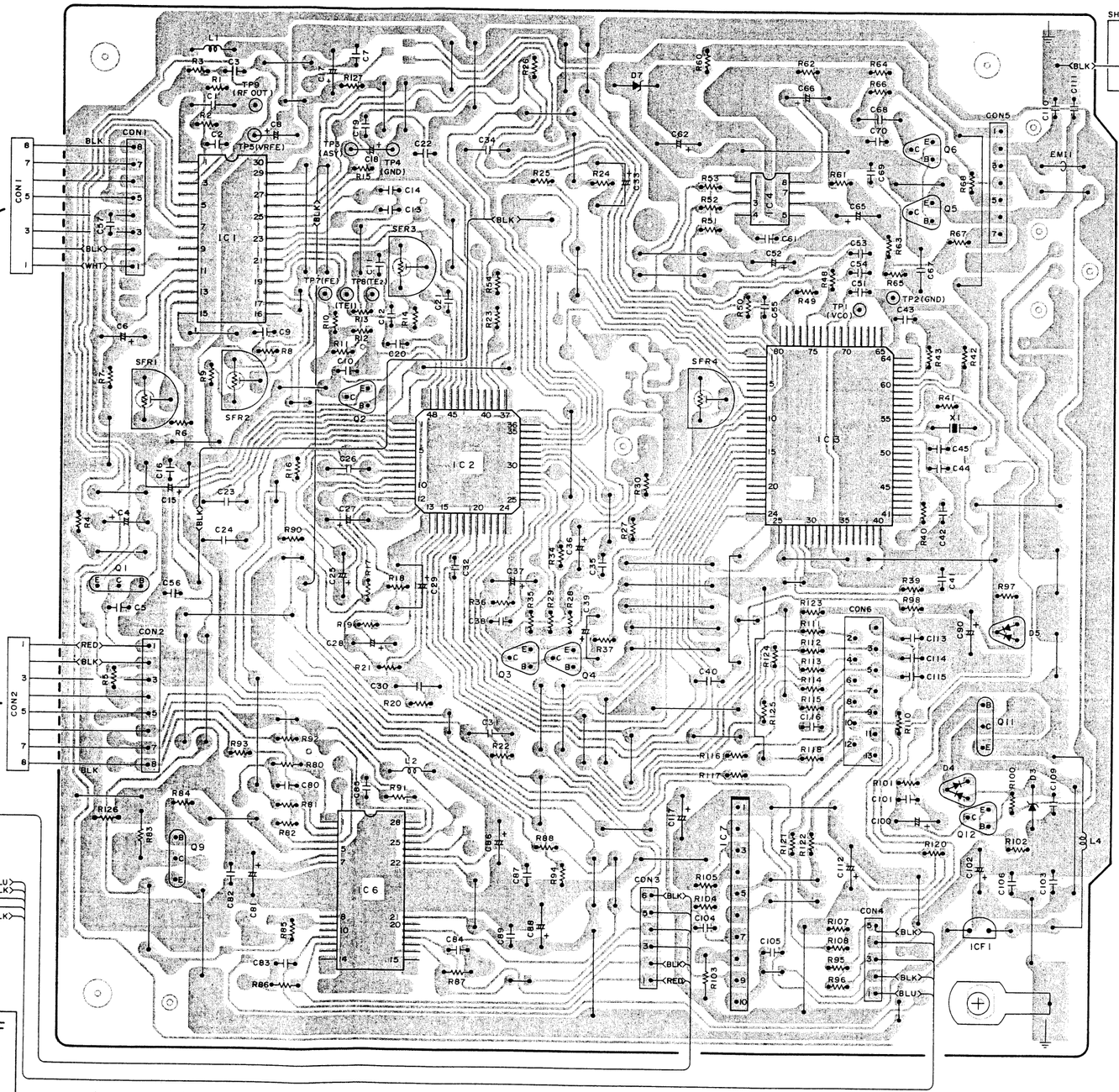

A TUNER C.B
FM ANT
BPF 1
BPMB 6AT
IC 1
TA8176F
FM FRONTEND
RF IN
NC
BY-PASS
AGC
NC
LOCAL OSC BUFF
OSC
NC
VCC
RF OUT
RF GND
NC
OSC GND
MIX IN
MIX OUT
IF OUT
SFR1
FM AUTO STOP ADJ.
IC 2 LA1851N
FM IF DET MPX
AM OSC MIX IF DET
AM OSC OUT
AM OSC
REG.
AM RF
AM MIX OUT
AGC
AM IF IN
GND
ST.LEB
TU.LEB
MONO /ST
IF COUNTOUT
AM/FM
MUTE
AM-SD
FM IF IN
BY-PASS
VCC
FM AFC
AM DET OUT
AM MPX IN
FM DET
FM DET OUT
FM MPX IN
VCO
STOP
PLL LOOP FILTER
MPX SEPA
MPX VCO
LCH OUT
RCH OUT
SFR2
MW AUTO STOP ADJ.
IFT1
FM IF ADJ.
DC BALANCE ADJ.
FM +B SWITCH
FM IF AMP
IC 3 LC 7218M
PLL
X'OUT
GND
PD1
VCC
FM IN
AM IN
OUT6
HCTR
LCTR
OUT5
OUT4
X'IN
CE
DI
CL
DO
IN0
IN1
OUT0
OUT1
OUT2
OUT3
CON 1
12V
LCH
GND
RCH
8V
5V
MUTE
TO E BECK C.B CN302
CON 2
T-BASE
MD/ST
FROM G JOINT C.B CN301
SIGNAL
FM
MW
LW
LW TRACKING ADJ.
LW VT ADJ.
LW SWITCH
OSC LW
MW SWITCH
OSC MW
MW VT ADJ.
L10. CT2
MW TRACKING ADJ.
BAR ANT
AM AMP
OSC BUFF. AMP
+5V SWITCH
L.P.F
MUTE
BAND SWITCH
MONO/ST SWITCH
ABC SWITCH
MUTING

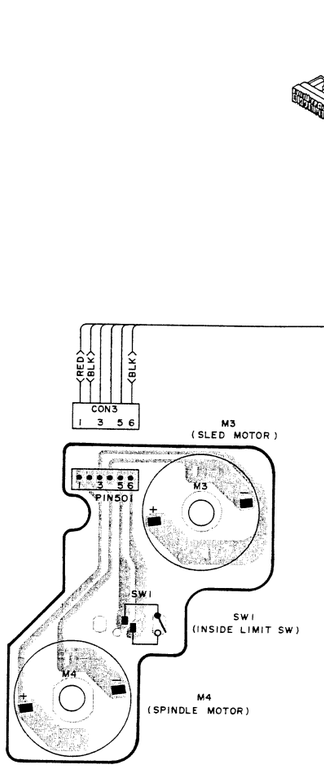
A TUNER C.B


FROM G JOINT C.B
CN301
FROM F DECK C.B
CN302
WHIP ANT
FM IN
FM GND
BLK
IC1
IC2
X1
X2
L1
L2
L3
L4
L5
L6
L7
L8
L9
TP1
TP2
TP3
TP4
TP5
TP6
CF1
CF2
SFR1
SFR2
MFT1
BPF1
IFT1
CT1
CT2
VC1
VC2
VC3
VC4
D1
D3
D4
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q9
Q10
Q11
Q12
Q13
Q14
Q15
Q16
Q17
Q18
Q19
CON1
CON2
10-179-
82-08
V


C CD C.B
MECHANISM KSL-2101ABM
PICK UP KSS-210A
LASER DIODE
FOCUS COIL
TRACKING COIL
PIN1
PIN2
CON1
CON2
SFR1 TRACKING BALANCE ADJ
SFR2 FOCUS BIAS ADJ
SFR3 TRACKING GAIN ADJ
IC1 SERVO SIGNAL PROCESSOR
CXA1081M
RF AMP
LD DRIVER
Q1 2SA952K
Q2 DTA114TK
FE BIAS
FOK SWITCH
TP5 (VREF)
TP9 (RF OUT)
TP3 (ASY)
TP4 (GND)
TP7 (FE)
TP8 (TE1) (TE2)
IC4 TDA1311T
D/A CONVERTER
Q5, Q6 DTC124XK
EMPHASIS SELECT
OFF 0
ON 0.6
CON5
+12V
D-GND
CD-ACTIVE
EMPH
R-CH
A-GND
L-CH
FT 10 1
FROM E DECK C.B CN303
IC2 CXA1082BQ
PLL SERVO FOCUS/TRACKING SLED/CLV/HF
IC3 CXD1167Q
DIGITAL SIGNAL PROCESSOR CLV/HF PLL SERVO
SFR4 VCO ADJ
VCO RANGE CONTROL
Q3, Q4 DTC124XK
X1 16.93MHz
CON6
FROM D DISPLAY C.B CN004
F OK
CLK/SQCK
XLT
DATA
SENS
MUTG
SUBQ
SCOR
GFS
N-SP/H-SP
OPEN/CLOSE
CLOSE — ON 8.1 OFF 0
OPEN — ON 8.1 OFF 0
FT 10 3
IC6 BA6296FP
MOTOR/COIL DRIVER
TRACKING
FOCUS
SLED
SPINDLE
Q9 2SA1318TU
+5V REG.
IC7 LB1641
MOTOR DRIVER
Q11 2SB1329Q
Q12 2SC2712Y
Q11, 12 +8V REG/ SWITCH
D4 1SS226
IC5 1SS184
J MOTOR-1 C.B PIN501
(SPINDLE MOTOR) M4
(SLED MOTOR) M3
(INSIDE LIMIT) SW1
CON3
K MOTOR-2 C.B PIN105
M5 TRAY LOADING MOTOR
(OPEN) SW2
(CLOSE) SW3
CON4
SIGNAL
CD PLAY

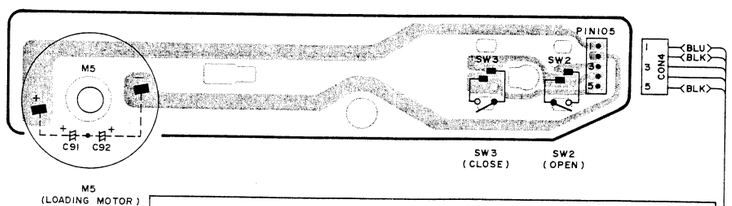
C CD C.B





J MOTOR – 1 C.B

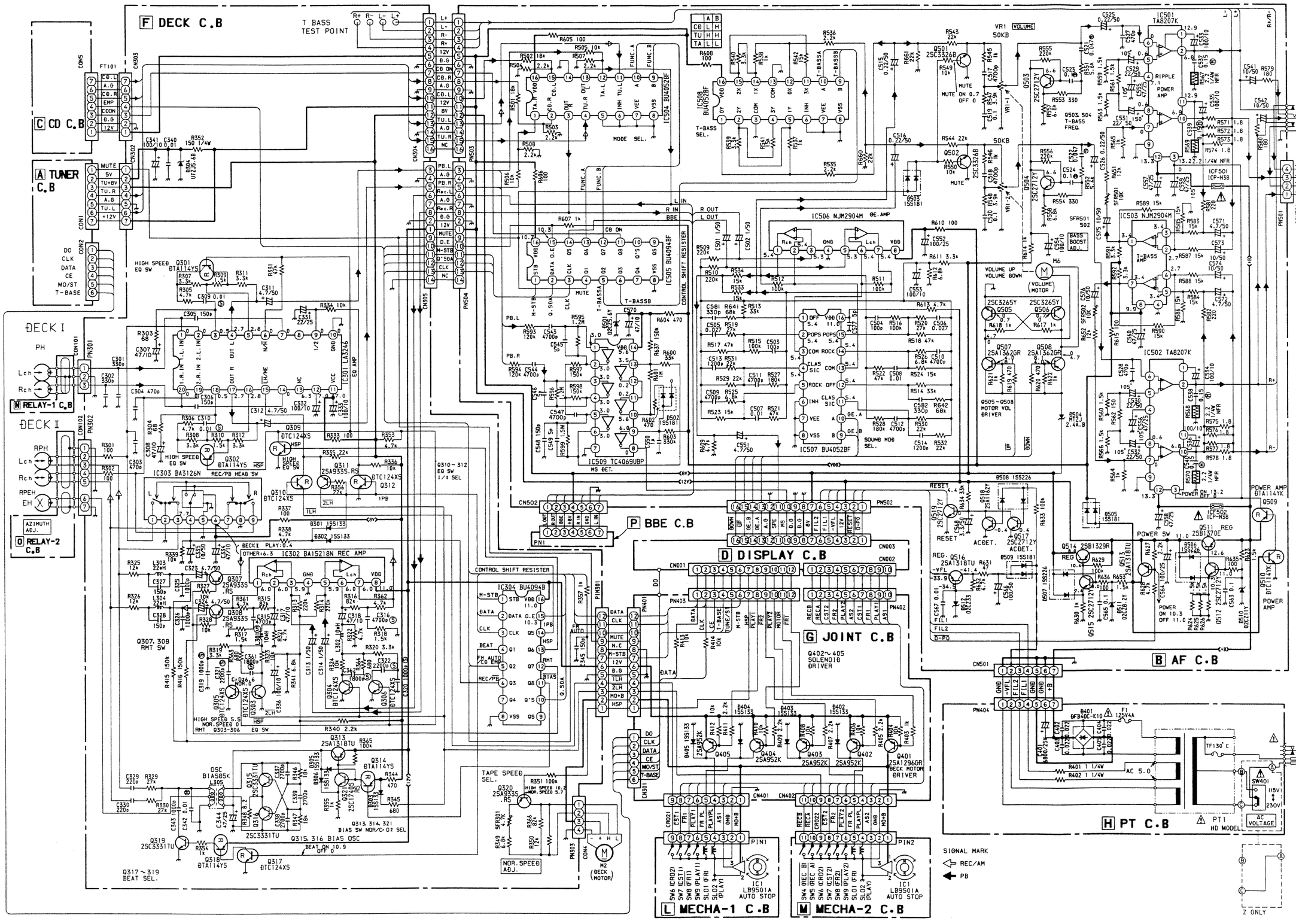
K MOTOR – 2 C.B



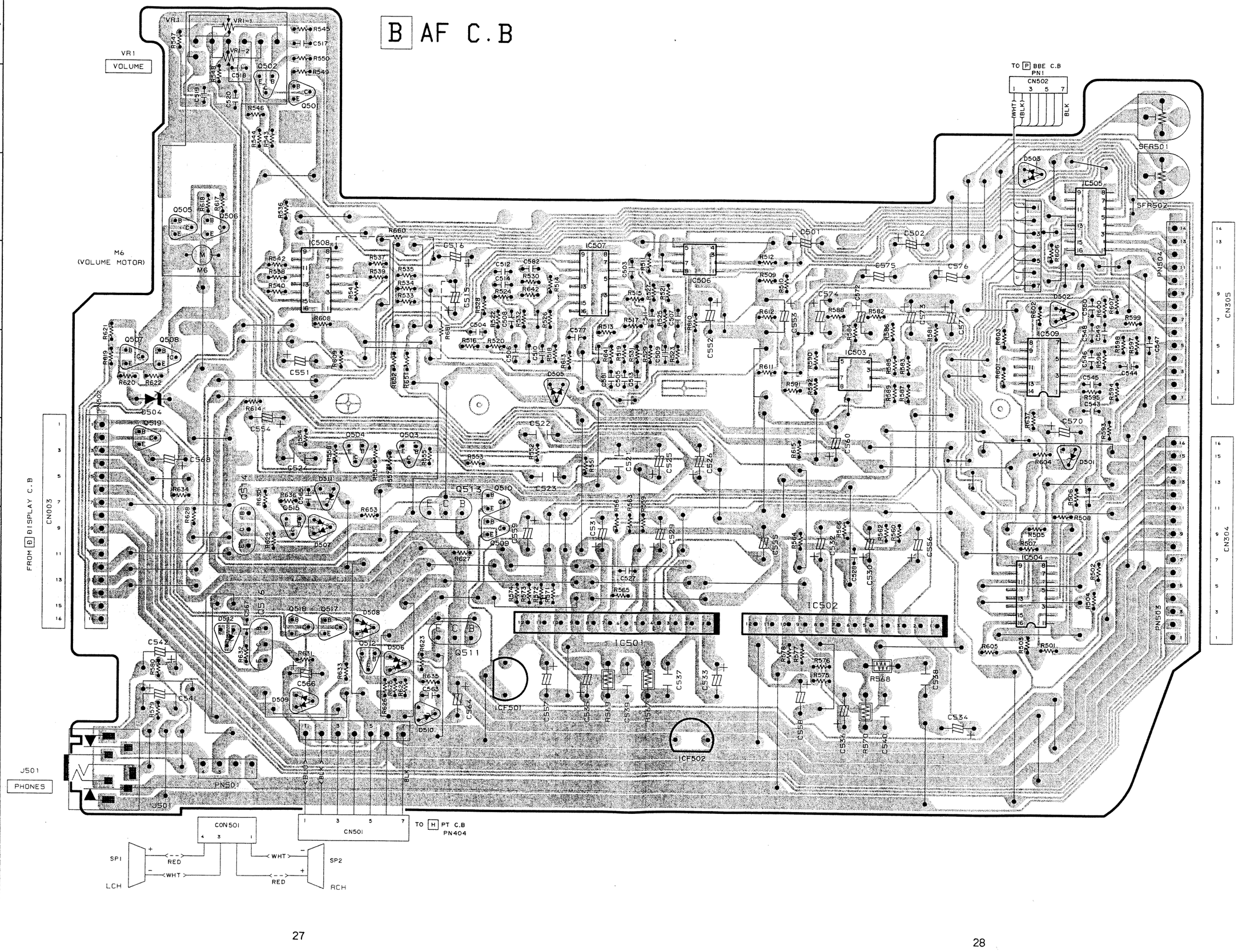
GRAPHIC SYMBOLS PRINTED CIRCUIT BOARD OF ELECT. CAP. ARE DESIGNED AS NEGATIVE POLE.

(プリント基板内のケミコンの極性表示はθ表示です。)

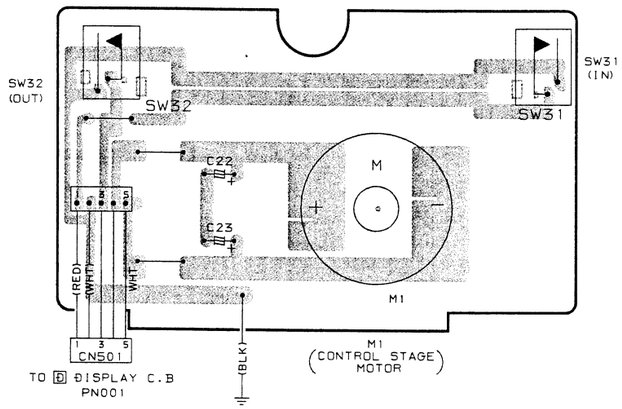
SCHEMATIC DIAGRAM – 4 (AF/DECK)



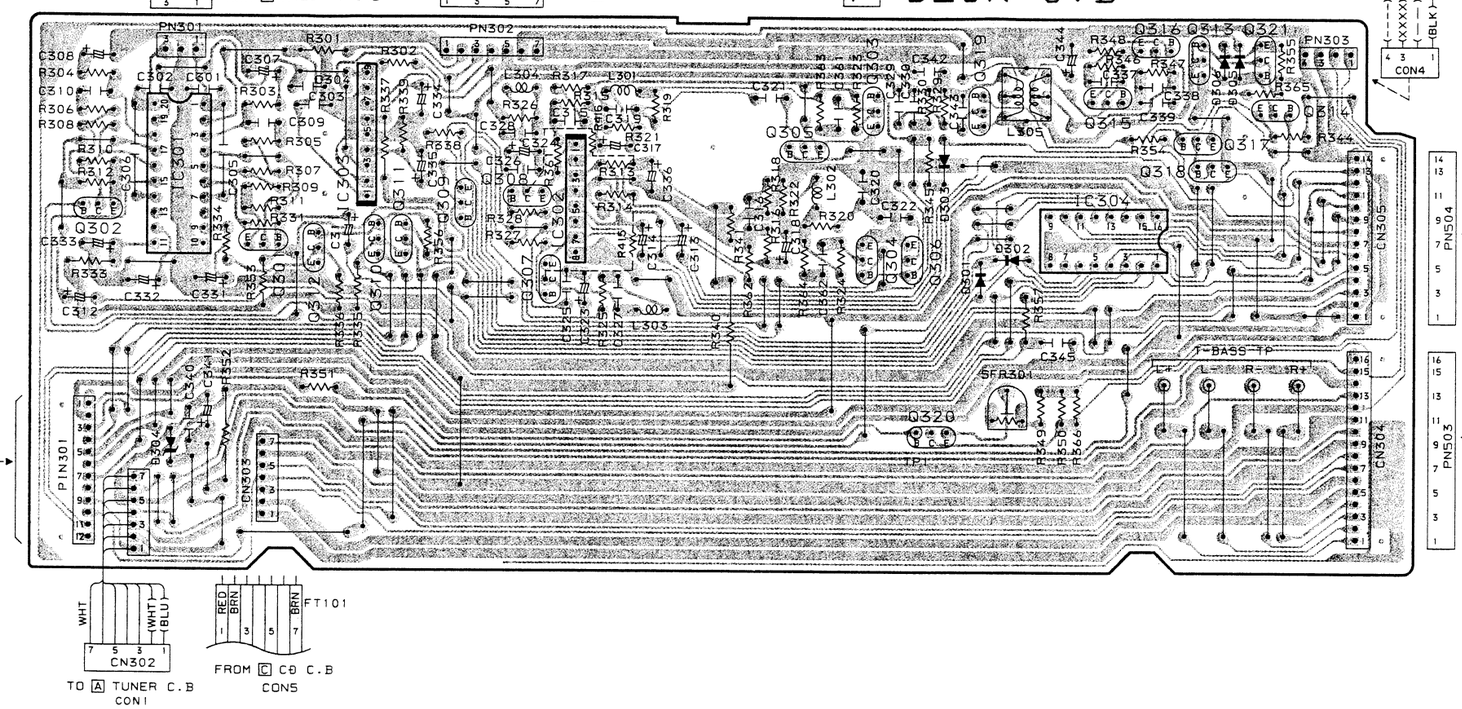
B AF C.B


VR1
VOLUME
M6
(VOLUME MOTOR)
TO P BBE C.B
PN1
CN502
(WHT)
(BLK)
BLK
FROM B DISPLAY C.B
CN003
FROM F DECK C.B
CN305
CN304
J501
PHONES
PN501
CON501
CN501
TO H PT C.B
PN404
SP1
SP2
LCH
RCH
RED
WHT
IC501
IC502
IC503
IC504
IC505
IC506
IC507
IC508
IC509
ICF501
ICF502
PN503
PN504
SFR501
SFR502

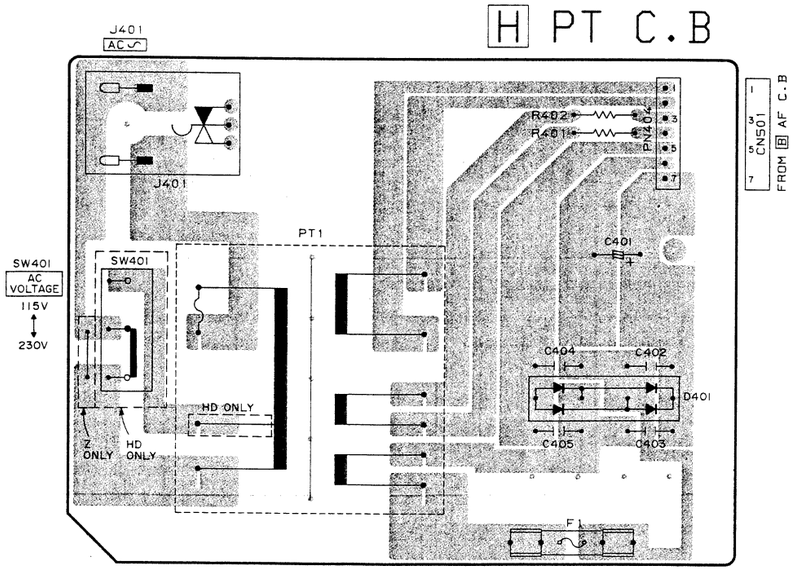
I MOTOR SW C.B



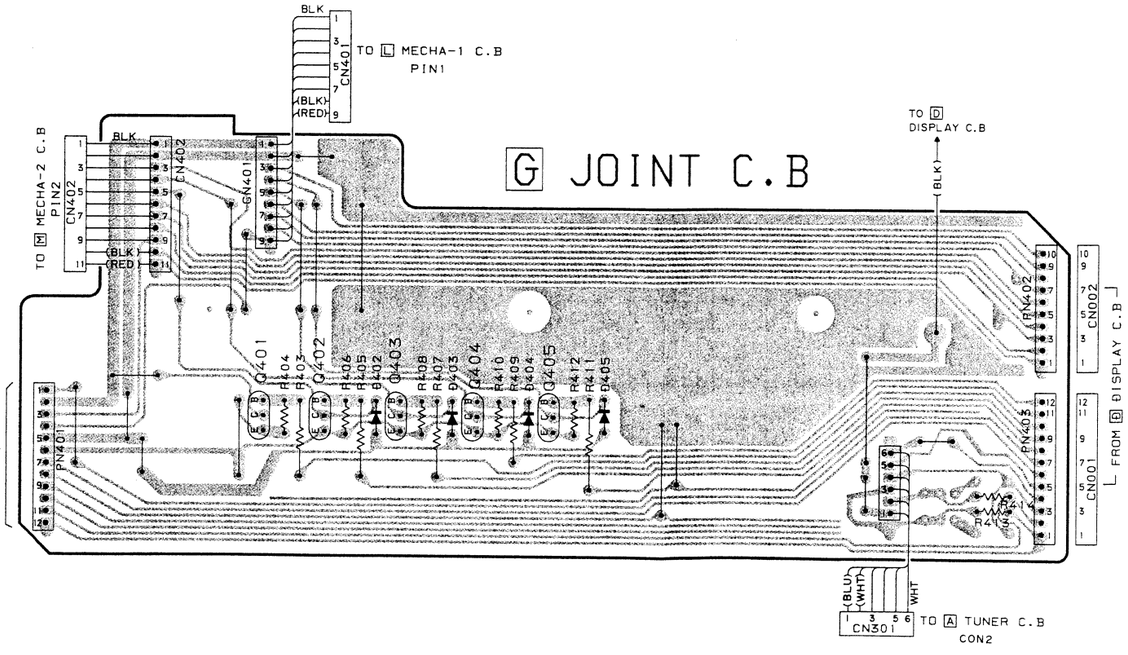
F DECK C.B

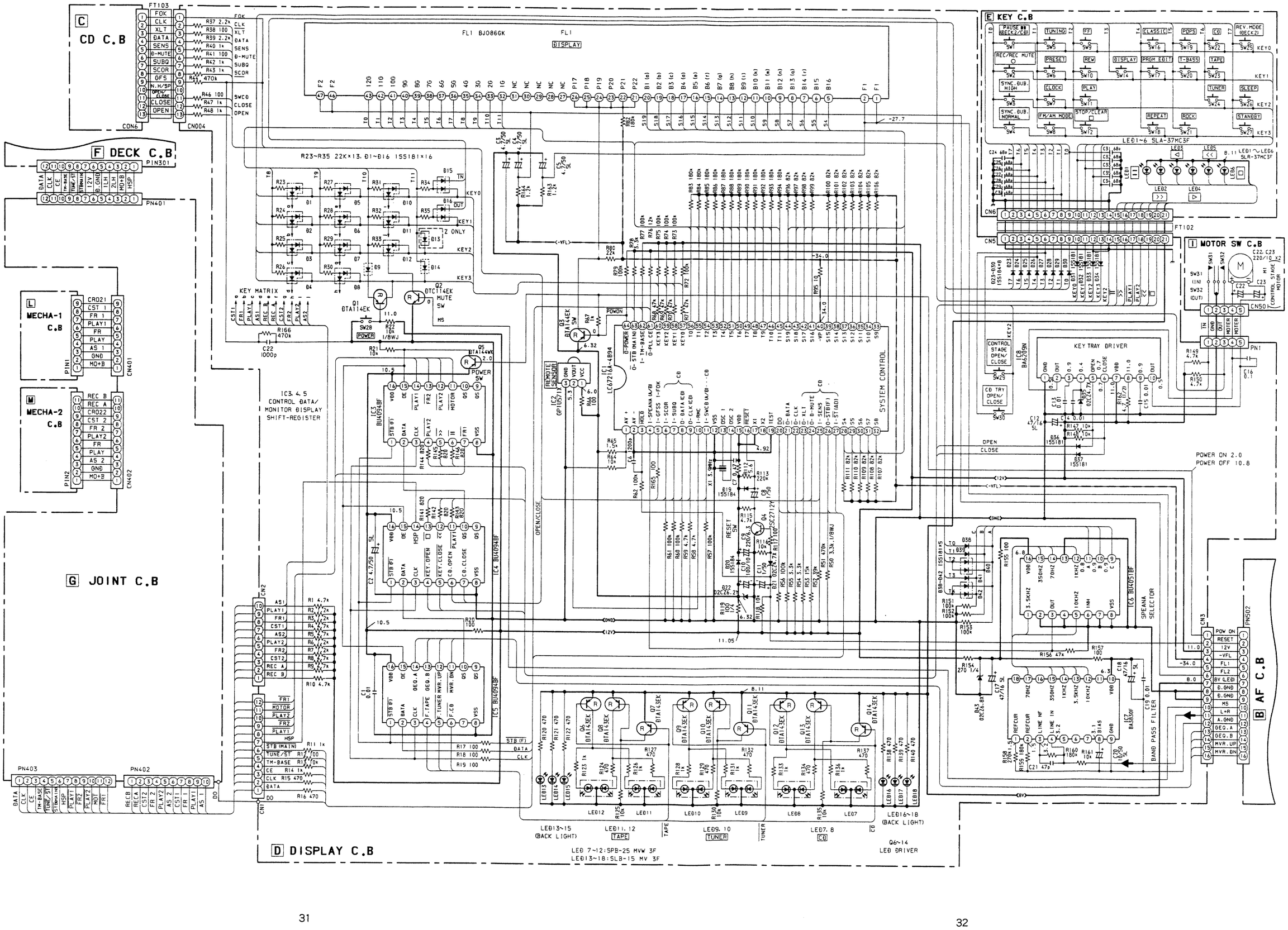


H PT C.B

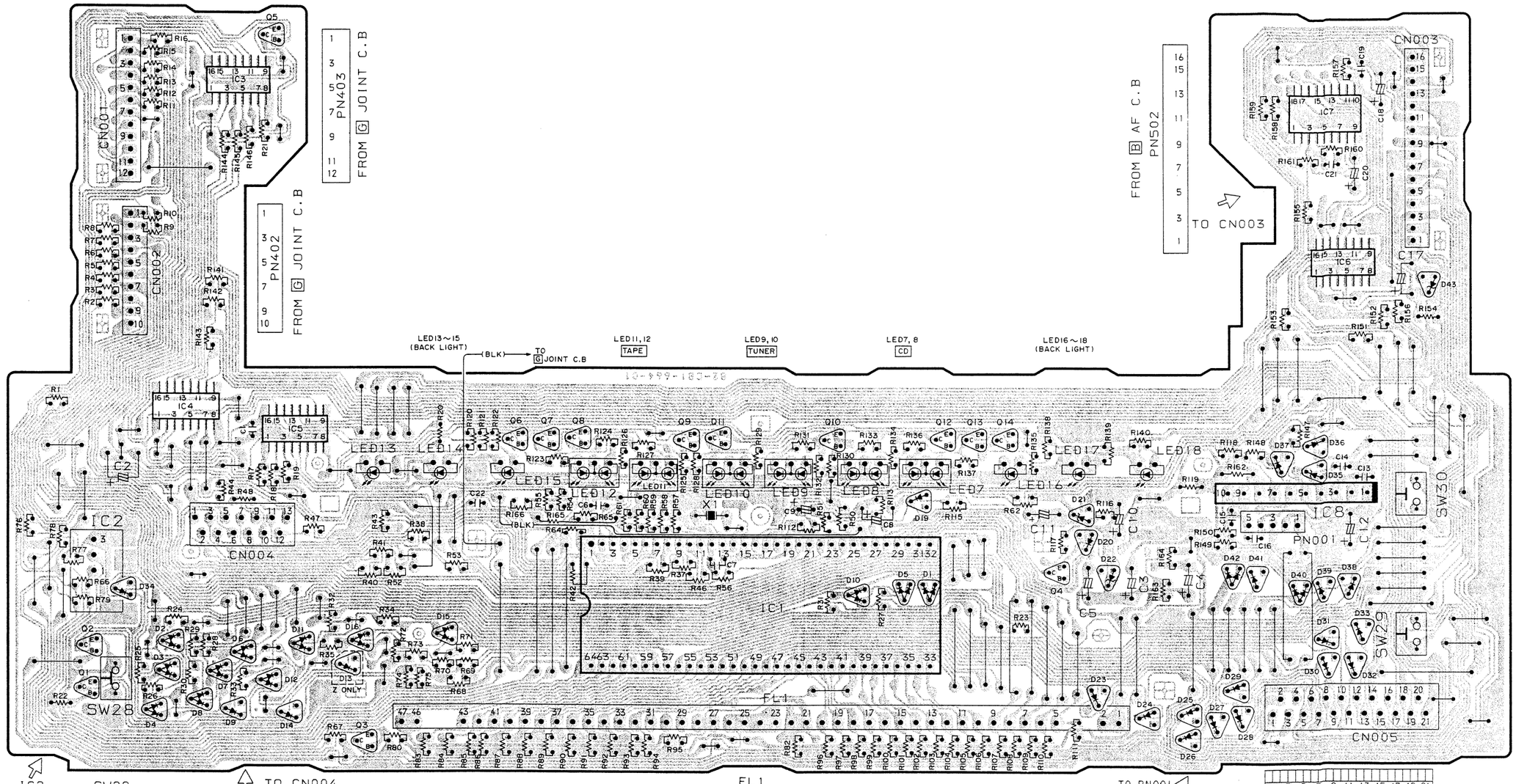


G JOINT C.B

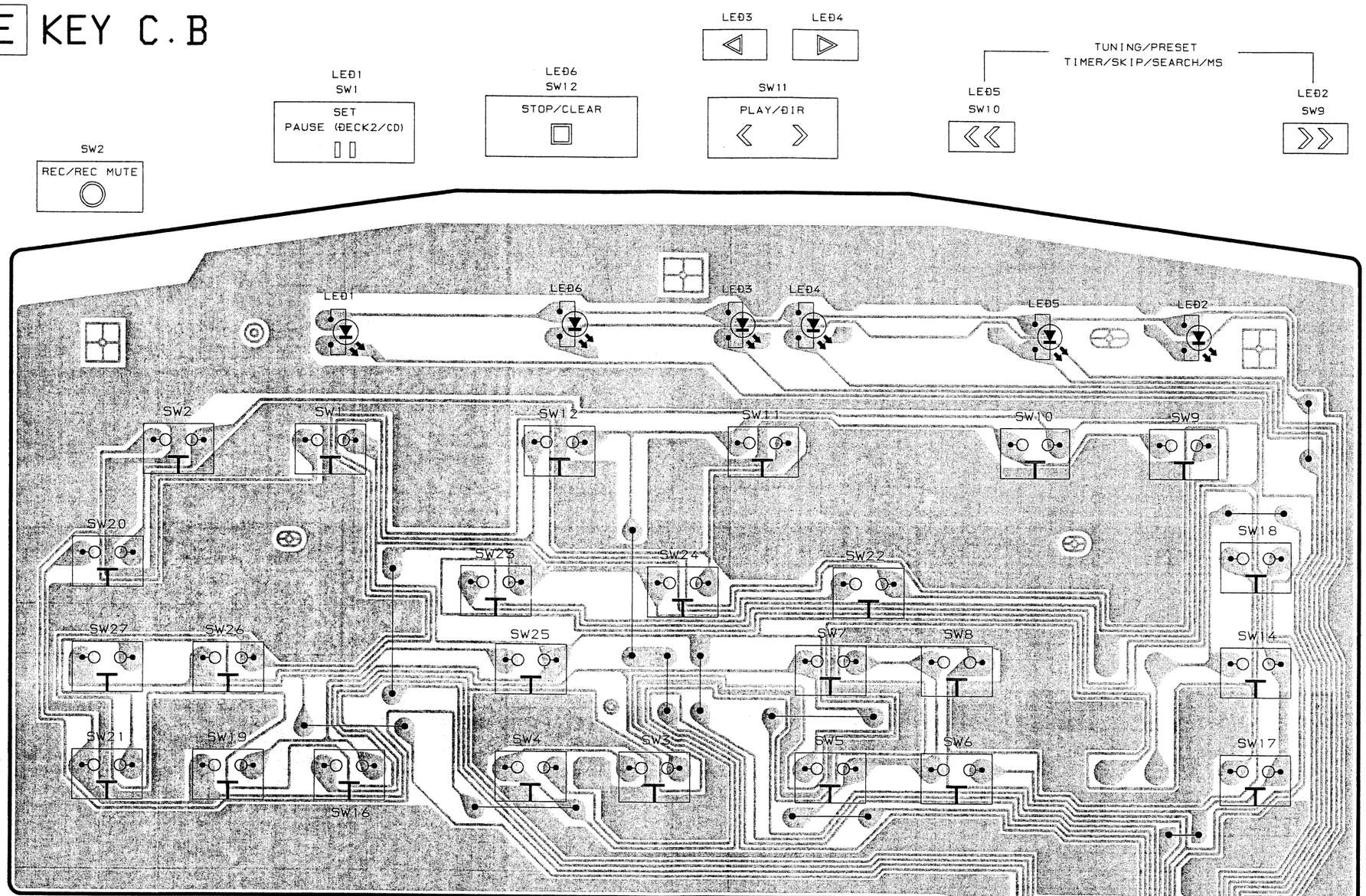


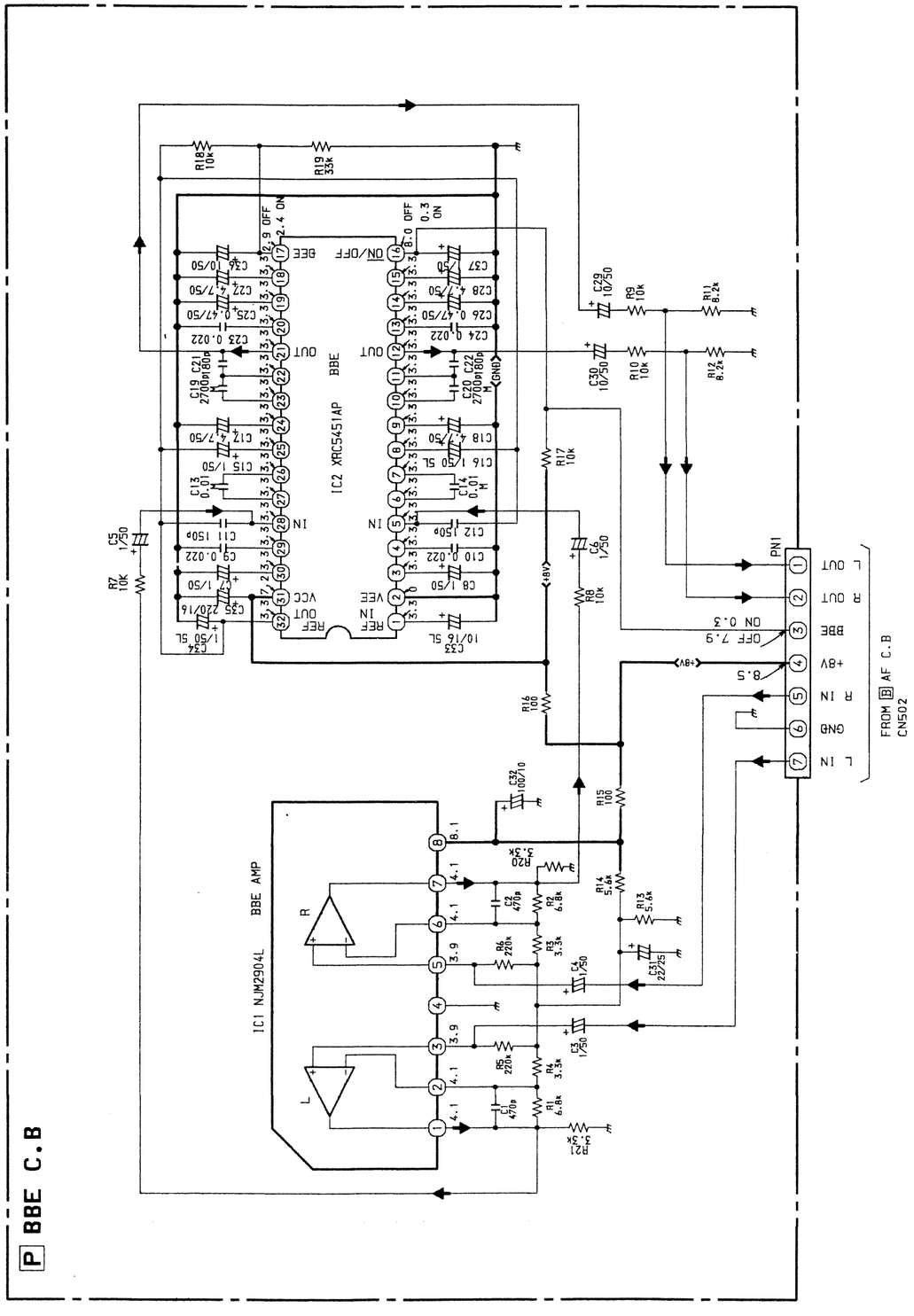

C CD C.B
FT103
CN004
CON6
FOK
CLK
XLT
DATA
SENS
B-MUTE
SUBQ
SCOR
GFS
N.M/SP
OPEN/CLOSE
CLOSE
OPEN
F DECK C.B
PIN301
PN401
L MECHA-1 C.B
PIN1
CN401
M MECHA-2 C.B
PIN2
CN402
G JOINT C.B
PN403
PN402
CN1
CN2
D DISPLAY C.B
FL1 BJ086GK
DISPLAY
KEY MATRIX
IC1 LC67216A-4B94
SYSTEM CONTROL
IC2 GP1U571X
REMOTE SENSOR
IC3 BU4094BF
IC4 BU4094BF
IC5 BU4094BF
IC3.4.5 CONTROL DATA/ MONITOR DISPLAY SHIFT-REGISTER
POWER SW
RESET SW
OPEN/CLOSE
LED0 7~12:SPB-25 MVW 3F
LED13~18:SLB-15 MV 3F
LED13~15 (BACK LIGHT)
LED11. 12 TAPE
LED9. 10 TUNER
LED7. 8 CD
LED16~18 (BACK LIGHT)
Q6~14 LED DRIVER
E KEY C.B
PAUSE
TUNING
FF
CLASSIC
POPS
CD
REV.MODE
REC/REC MUTE
PRESET
REW
DISPLAY
PROM EDIT
T-BASS
TAPE
SYNC.BUB. HIGH
CLOCK
PLAY
TUNER
SLEEP
SYNC.BUB. NORMAL
FM/AM MODE
STOP/CLEAR
REPEAT
ROCK
STANDBY
LED1~6 SLA-37MC3F
CN6
FT102
CN5
I MOTOR SW C.B
CN501
CONTROL STAGE OPEN/ CLOSE
KEY TRAY DRIVER
IC8 BA6209N
CD TRY OPEN/ CLOSE
SW30
POWER ON 2.0
POWER OFF 10.8
IC6 BU4051BF
SPEAKA SELECTOR
BAND PASS FILTER
IC7 BA3830F
B AF C.B
CN3
PN502
POW ON
RESET
12V
-VFL
FL1
FL2
BV (LED)
D.GND
D.GND
MS
L+R
A.GND
GEQ.A
GEQ.B
MVR.UP
MVR.DN

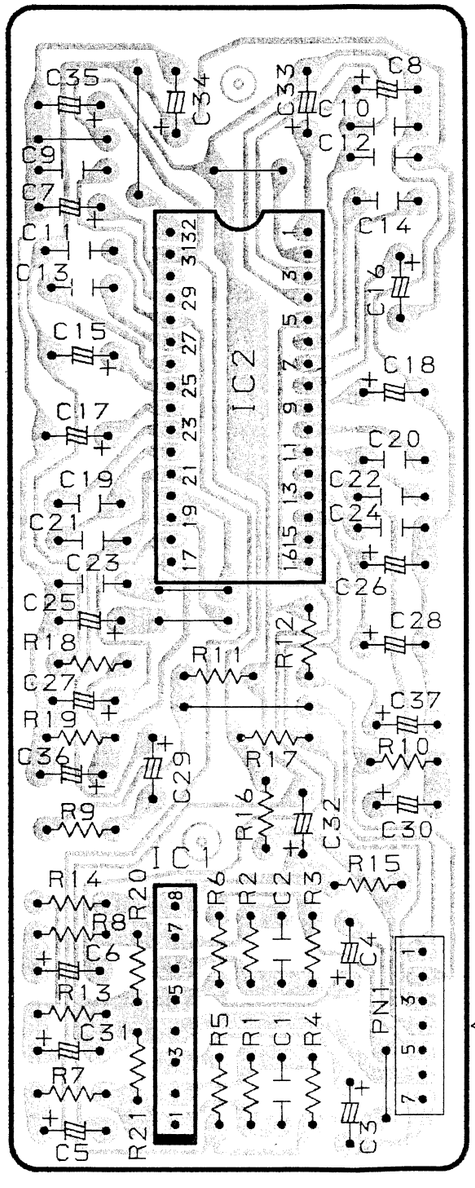
Đ DISPLAY C.B


FROM G JOINT C.B
PN403
FROM G JOINT C.B
PN402
FROM B AF C.B
PN502
TO CN003
CN001
CN002
CN003
CN004
CN005
PN001
LED13~15 (BACK LIGHT)
(BLK) TO G JOINT C.B
LED11, 12 TAPE
LED9, 10 TUNER
LED7, 8 CD
LED16~18 (BACK LIGHT)
IC1
IC2
IC3
IC4
IC5
IC6
IC7
IC8
FL1
SW28
SW29
SW30
Z ONLY
IC2 REMOTE SENSOR
SW28 POWER ⏻STANĐBY/ON
TO CN004
FT103
FROM C CĐ C.B CON6
FL1 ĐISPLAY
TO PN001
CN501
FROM I MOTOR SW C.B
FT102
FROM E KEY C.B CN006
SW30 CĐ OPEN/CLOSE
SW29 CONTROL OPEN/CLOSE

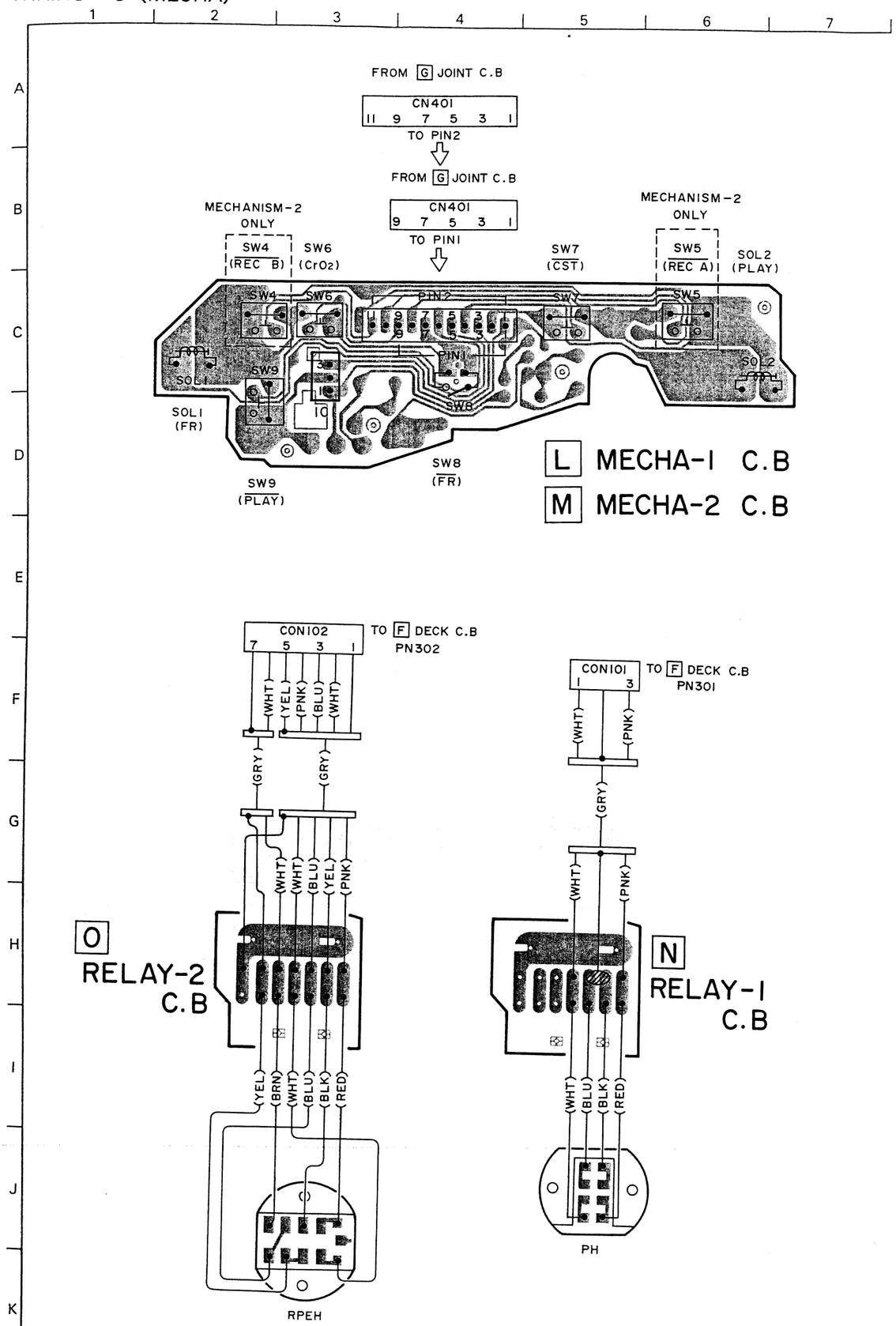
E KEY C.B


LED1
SW1
SET
PAUSE (DECK2/CD)
LED6
SW12
STOP/CLEAR
LED3
LED4
SW11
PLAY/DIR
TUNING/PRESET
TIMER/SKIP/SEARCH/MS
LED5
SW10
LED2
SW9
SW2
REC/REC MUTE
SW20
T-BASS
SW18
REPEAT
SW14
DISPLAY
SW17
PRGM EDIT
SW27
STANDBY
SW26
SLEEP
TIMER
SW23
TAPE
SW24
TUNER
SW22
CD
SW25
REV MODE
(DECK2)
SW7
CLOCK
SW8
FM/MODE
SW21
ROCK
SW19
POP
SW16
CLASSIC
SW4
NORMAL
SW3
HIGH
SYNCHRO DUBBING
SW5
TUNING
SW6
PRESET
CN004
FT102
FROM D DISPLAY C.B
CN005


P BBE C.B
IC2 XRC5451AP BBE
IC1 NJM2904L BBE AMP
ON/OFF
OUT
IN
REF OUT
REF IN
VCC
VEE
PN1
L OUT
R OUT
BBE
+8V
R IN
GND
L IN
FROM B AF C.B CN502

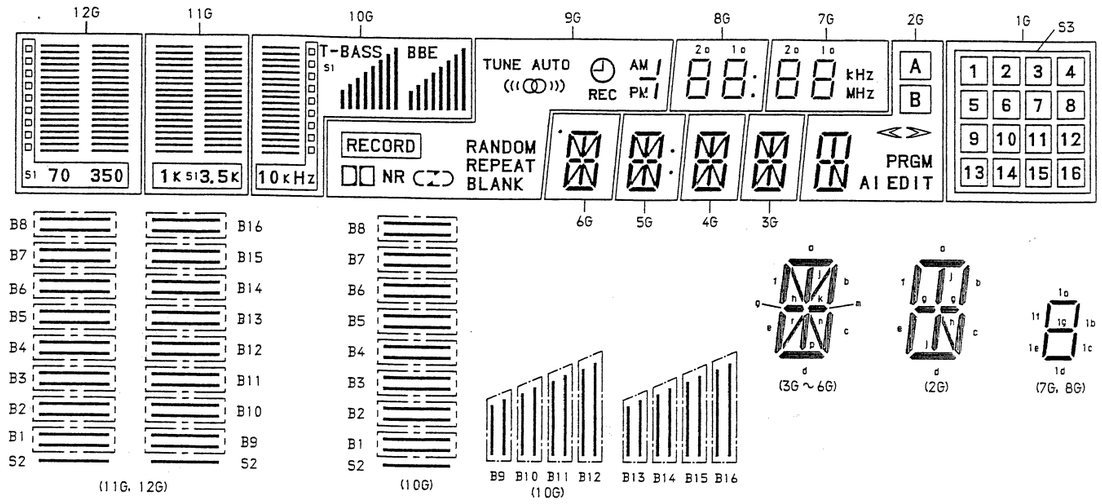

P BBE C.B
IC1
IC2
PN1
FROM B AF C.B
CN502

WIRING – 9 (MECHA)



FL

GRID ASSIGNMENT



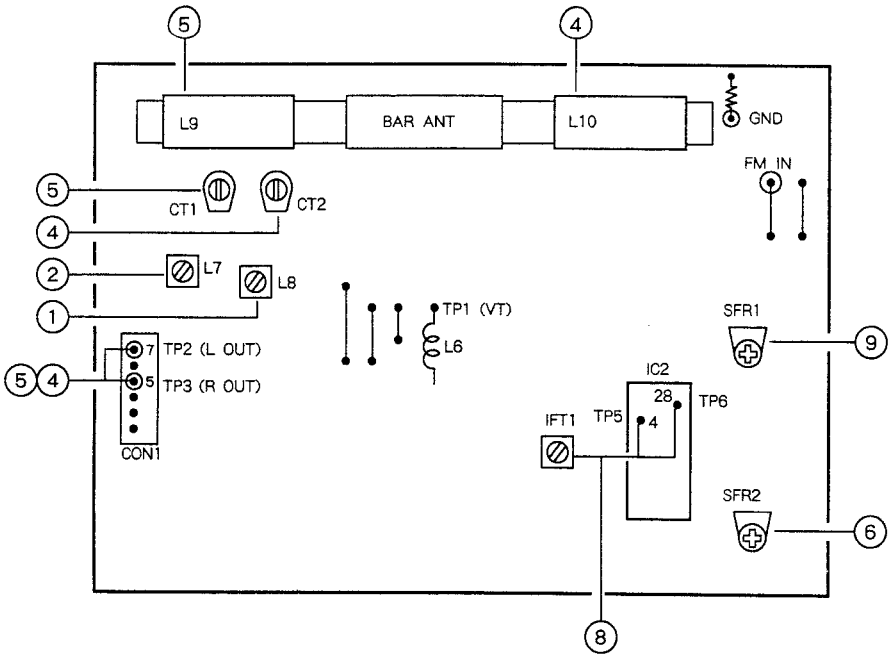
ANODE CONNECTION

	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	B1	B1	B1	RECORD	2a	2a	a	a	a	a	a	1
P2	B2	B2	B2	□□ NR	2b	2b	b	b	b	b	b	2
P3	B3	B3	B3	(	2c	2c	c	c	c	c	c	3
P4	B4	B4	B4	)	2d	2d	d	d	d	d	d	4
P5	B5	B5	B5	RANDOM	2e	2e	e	e	e	e	e	5
P6	B6	B6	B6	REPEAT	2f	2f	f	f	f	f	f	6
P7	B7	B7	B7	BLANK	2g	2g	g	g	g	g	g	7
P8	B8	B8	B8	TUNE	○	KHz	h	h	h	h	h	8
P9	B9	B9	B9	AUTO	1a	1a	j	j	j	j	j	9
P10	B10	B10	B10	((( )))	1b	1b	k	k	k	k	>	10
P11	B11	B11	B11	🕘	1c	1c	m	m	m	m	<	11
P12	B12	B12	B12	REC	1d	1d	n	n	n	n	AI	12
P13	B13	B13	B13	AM	1e	1e	p	p	p	p	PRGM	13
P14	B14	B14	B14	PM	1f	1f	r	r	r	r	EDIT	14
P15	B15	B15	B15	/	1g	1g	○	○	–	–	A	15
P16	B16	B16	B16	—	○	MHz	–	○	–	–	B	16
P17	S1	S1	S1	–	–	–	–	–	–	–	–	–
P18	S2	S2	S2	–	–	–	–	–	–	–	–	–
P19	–	–	–	≠	–	–	–	–	–	–	–	–
P20	–	–	T-BASS	–	–	–	–	–	–	–	–	–
P21	–	–	BBE	–	–	–	–	–	–	–	–	–
P22	–	–	–	–	–	–	–	–	–	–	–	S3

ADJUSTMENT

< RADIO SECTION >

A TUNER C.B



1. AM (MW) VT Adjustment
   Settings : • Test point : TP1
   • Adjustment location : L8
   Method : Set to AM (MW), 531kHz and adjust so that the test point becomes 1.5V ± 0.05V.
   Check that the test point voltage is 8.0V ± 0.5V at AM (MW) 1602kHz.

2. LW VT Adjustment (Z)
   Settings : • Test point : TP1
   • Adjustment location : L7
   Method : Set to LW 153kHz and adjust so that the test point becomes 1.9V ± 0.05V.
   Check that the test point voltage is 6.1V ± 0.5V at LW 288kHz.

3. FM VT Check
   Settings : • Test point : TP1
   Method : Set to FM 87.5MHz and check so that the test point becomes 3.5V ± 0.3V.
   Check that the test point voltage is 7.0V ± 0.5V at FM 108MHz.

4. AM (MW) Tracking Adjustment
   Settings : •Test point : TP2, TP3
   L10 ..... 603kHz
   CT2 ..... 1404kHz

5. LW Tracking Adjustment (Z)
   Settings : •Test point : TP2, TP3
   L9 ..... 153kHz
   CT1 ..... 288kHz

6. AM (MW) AUTO STOP Adjustment
   Settings : • Test point : TP4
   • Adjustment location : SFR2
   Method : Set to AM (MW) 999kHz test point becomes 55 ± 1dB.

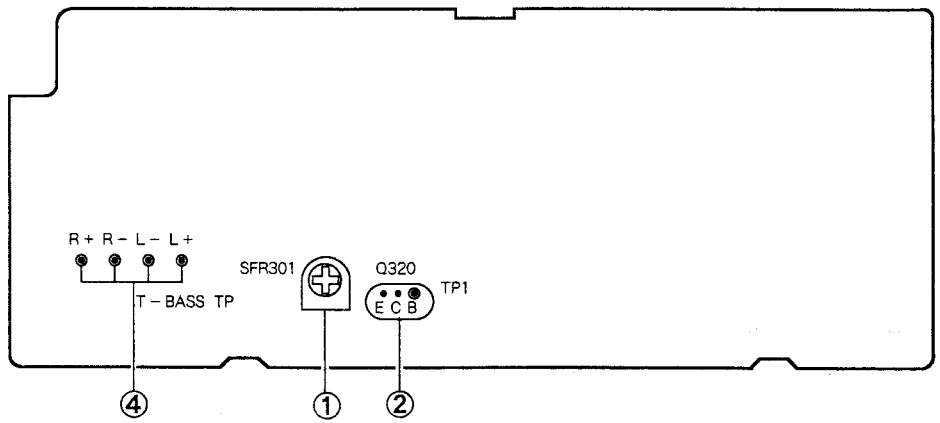
7. FM IF Adjustment
   IFT1 ..... 10.7MHz

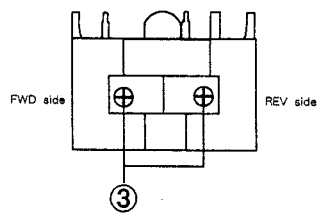
8. DC Balance Adjustment
   Settings : •Test point : TP5, TP6
   •SSG : 88.0MHz, 54dB
   •Adjustment location : IFT1
   Method : Set to FM 98MHz and adjust IFT1 so that test point output becomes 0V ± 0.02V.

9. FM AUTO STOP Adjustment
   Settings : • Test point : TP4
   • Adjustment location : SFR1
   Method : Set to FM 98MHz and adjust test point becomes 55 ± 1dB.

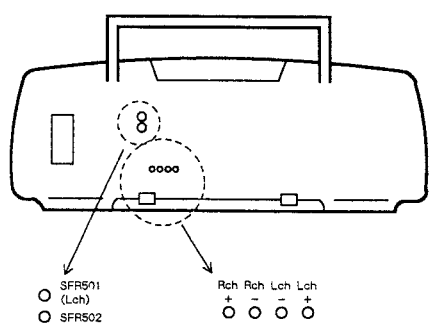
< DECK SECTION >

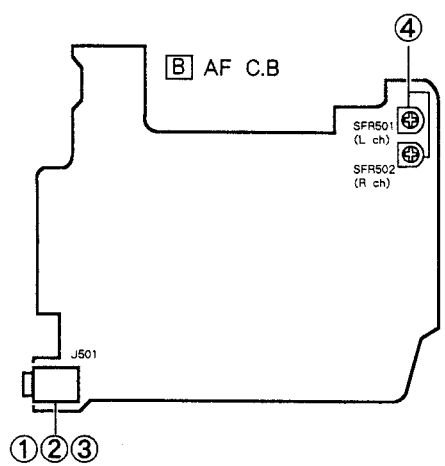
F DECK C.B





< AF SECTION >





PRACTICAL SERVICE FIGURE

1. Normal Speed Adjustment (DECK1, 2)
   Settings : • Test point : J501 (PHONES)
   • Test tape : TTA-100 (TTA-111S)
   • Adjustment location : SFR301
   Method : Play back the test tape and adjust SFR301 so that J501 is 3000 ± 10Hz.
   Also check that J501 is 3000 ± 45Hz in DECK2 REV and DECK1 FWD and REV.

2. High Speed Adjustment (DECK2)
   Settings : • Test point : J501 (PHONES)
   • Test tape : TTA-100 (TTA-111S)
   Method : Play back the test tape, connect TP1 (Q320 base) with GND to set the high speed status. Check that J501 is 5100 ± 400Hz (in FWD and REV of both DECK1 and DECK2).

3. Azimuth Adjustment (DECK1, 2)
   Settings : •Test tape : TTA-320
   •Adjustment location : Azimuth adjustment screw
   Method : Play back the 8 kHz portion of the test tape and adjust so that the output is maximum in the FWD PLAY and REV PLAY modes.

4. T-Bass Adjustment
Adjust after screwing the front and rear cabinet.
   Settings : • Test point : T-Bass test point
   • Input signal : 0 dB (1V) input from −45dB (LINE IN)
   • T-BASS : MAX
   • VOLUME : MAX
   • GEQ : OFF
   • Adjustment location : SFR501 (Lch)
   SFR502 (Rch)
   Method : Adjust the SFR501 and 502 so that the difference between the output of the 90Hz and 1kHz input signals is $4 \pm {}^{0.5}_{0}$ dB.

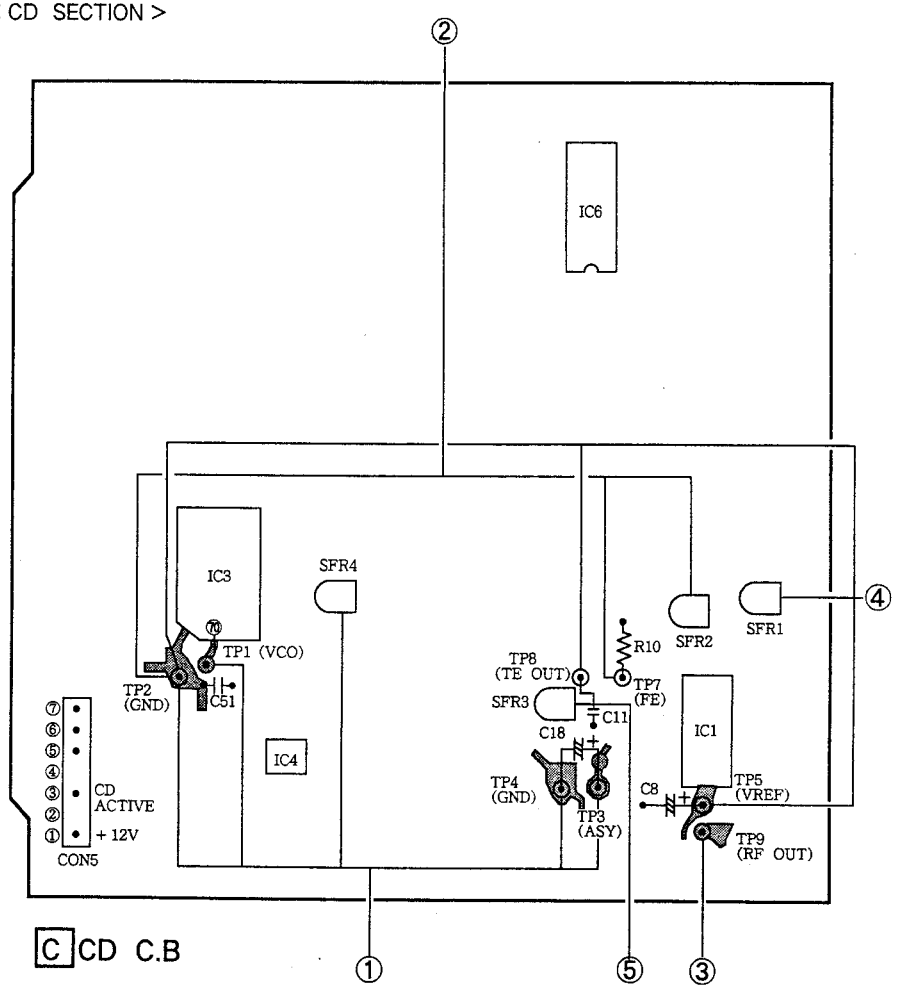
< TUNER >

Sensitivity :	FM
(THD, 3%)	17 ± 5dB (87.5MHz)
	17 ± 5dB (98MHz)
	17 ± 5dB (108MHz)
(S/N 10dB) :	MW
	46 ± 5dB (603kHz) (HD)
	45 ± 5dB (999kHz) (HD)
	44 ± 5dB (1404kHz) (HD)
	MW
	51 ± 5dB (603kHz) (Z)
	49 ± 5dB (999kHz) (Z)
	47 ± 5dB (1404kHz) (Z)
	LW (Z)
	56 ± 5dB (153kHz)
	54 ± 5dB (198kHz)
	56 ± 5dB (288kHz)
Intermediate frequency :	FM
	10.7 ± 0.1MHz
	AM
	450 ± 3kHz
Stereo separation :	FM
	31 ± 6dB (98MHz) (HD)
	36 ± 6dB (98MHz) (Z)

< DECK >

Tape speed :	3000 ± 45Hz
Wow & flutter :	Less than 0.38% (RMS, JIS)
Take-up torque :	30~55g-cm
Back tension :	2~6g-cm
F.F & REW torque :	75~150g-cm
S/N ratio :	More than 45dB (AC PB)
	More than 40dB (AC REC/PB)
Noise :	Less than 2.0mV (AC MIN)
Distortion :	Less than 2.0% (PB)
	Less than 3.0% (REC/PB)
Erasing ratio :	More than 60dB
Recording bias frequency :	85kHz
Test tape :	NORMAL TTA-601
	(TTA-600, TTA-119K)

< CD SECTION >



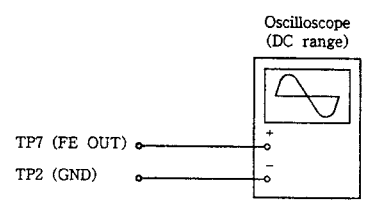
Note : Connect a probe (10 : 1) of the frequency counter or the oscilloscope to a test point.

① VCO Frequency Adjustment

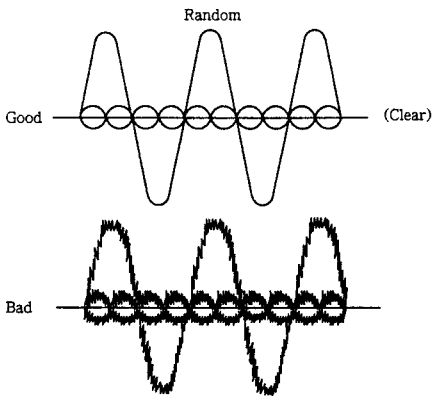
1. Short pin ① and ③ of CON5 with wire.
2. Connect and short between TP3 (ASY) and TP4 (GND).
3. Connect the frequency counter to test points TP1 (VCO) and TP2 (GND).
4. Adjust SFR4 (VCO) so that the frequency counter reading is 4.38 ± 0.01 MHz.
5. After the adjustment is completed, remove the short lead wires from pin ① and ③ of CON5, TP3 (ASY) and TP4 (GND).

② Focus Bias Adjustment

Make the focus bias adjustment when replacing and repairing the optical block.



1. Connect an oscilloscope to test points TP7 (FE OUT) and TP2 (GND).
2. Turn on the power switch.
3. Insert test disc TCD-782 (YEDS-18) and play back the second composition.
4. Adjust SFR2 so that the noise (high frequency) of test point TP7 (FE OUT) is minimized.



VOLT/DIV : 10mV
TIME/DIV : 1mS

③ RF Waveform Check

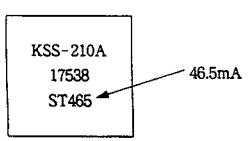
This check should be performed whenever the optical system block is replaced in repair.

1. Connect an oscilloscope to test points TP9 (RF OUT) and TP2 (GND).
2. Turn on the power switch.
3. Insert test disc TCD-782 (YEDS-18) and play back the second composition.
4. Check that the waveform appears as shown in the figure below.

RF signal waveform

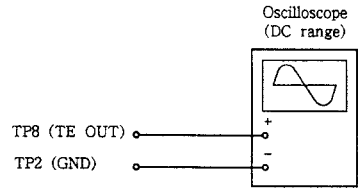
VOLT/DIV : 50 mV
TIME/DIV : 1mS

Note : The current of the laser signal can be checked with the voltages on both sides of R4 (10 Ω). The difference for the specified value shown on the label must be within ± 6.0 mA.

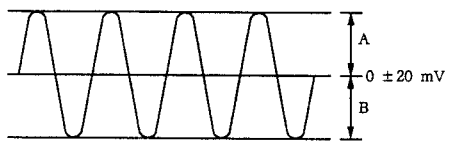


$$\text{Laser current } Iop = \frac{\text{Voltage across R4}}{10\ \Omega}$$

④ Tracking Balance Adjustment



1. Connect an oscilloscope to test points TP8 (TE OUT) and TP2 (GND).
2. Connected the center point of SFR3 to GND.
3. Turn on the power switch.
4. Insert test disc TCD-782 (YEDS-18) and press the PLAY (▶) button.
5. Adjust SFR1 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.
6. After the adjustment is completed, remove the ground lead wires from the terminals.



A = B

VOLT/DIV : 20 mV
TIME/DIV : 1 mS

⑤ Tracking Gain Adjustment

A servo analyzer is necessary in order to perform this adjustment exactly. However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment. Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when 2-axis device operates. However, as these gains are reciprocated, the adjustment is performed so that both gains are satisfied.

- When gain is raised, the noise increases when the 2-axis device operates.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.

When the gain adjustment is not satisfied, the symptoms below appear.

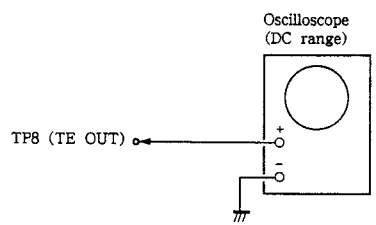
Symptoms \ Gain	(Focus)	Tracking
● The time until music starts becomes longer for STOP→▶ PLAY or automatic selection (⏮ ⏭ buttons pressed.) (Normally takes about 2 seconds.)	Low	Low or High
● Music does not start and disc continues to rotate for STOP →▶ PLAY or automatic selection (⏮ ⏭ buttons pressed.)	–	Low
● Disc stops to rotate shortly after STOP→▶ PLAY.	Low or High	–
● Sound is interrupted during PLAY. Or time counter display stops.	–	Low
● More noises during the 2-axis device operation.	High	High

The following is simple adjustment method.

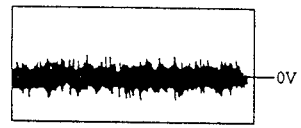
– Simple adjustment –

Note : Since the adjustment cannot be performed exactly, remember the positions of the controls before the adjustment and compare the adjusted position and the original position.
If the difference is a little, return the control to the original position.

Procedure :



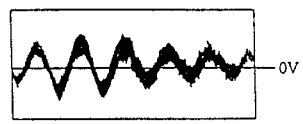
1. Keep the set horizontal. (If the set is not kept horizontally, this adjustment cannot be performed due to the gravity against the 2-axis device.)
2. Insert test disc TCD-782 (YEDS-18) and play back the second composition.
3. Connect an oscilloscope to TP8 (TE OUT) of the main board.
4. Adjust SFR3 so that the waveform appears as shown in the figure below. (tracking gain adjustment)



VOLT/DIV : 50 mV
TIME/DIV : 1 mS

- Incorrect example (The fundamental wave appears as compared with the waveform adjusted.)

Low tracking gain



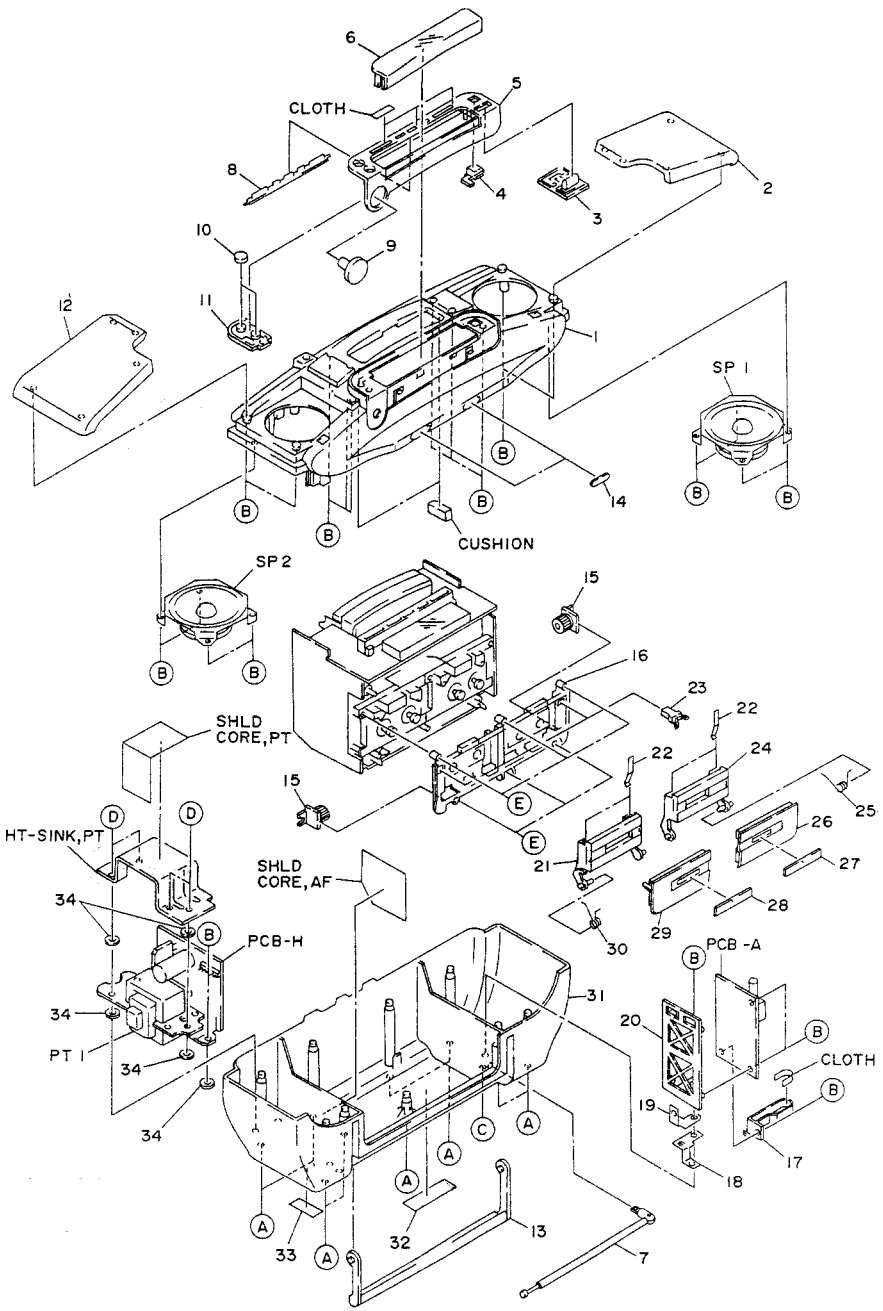
VOLT/DIV : 50 mV
TIME/DIV : 1 mS

High tracking gain

The frequency of the fundamental wave is higher than that in low gain.

VOLT/DIV : 50 mV
TIME/DIV : 1 mS

MECHANICAL EXPLODED VIEW 1/2

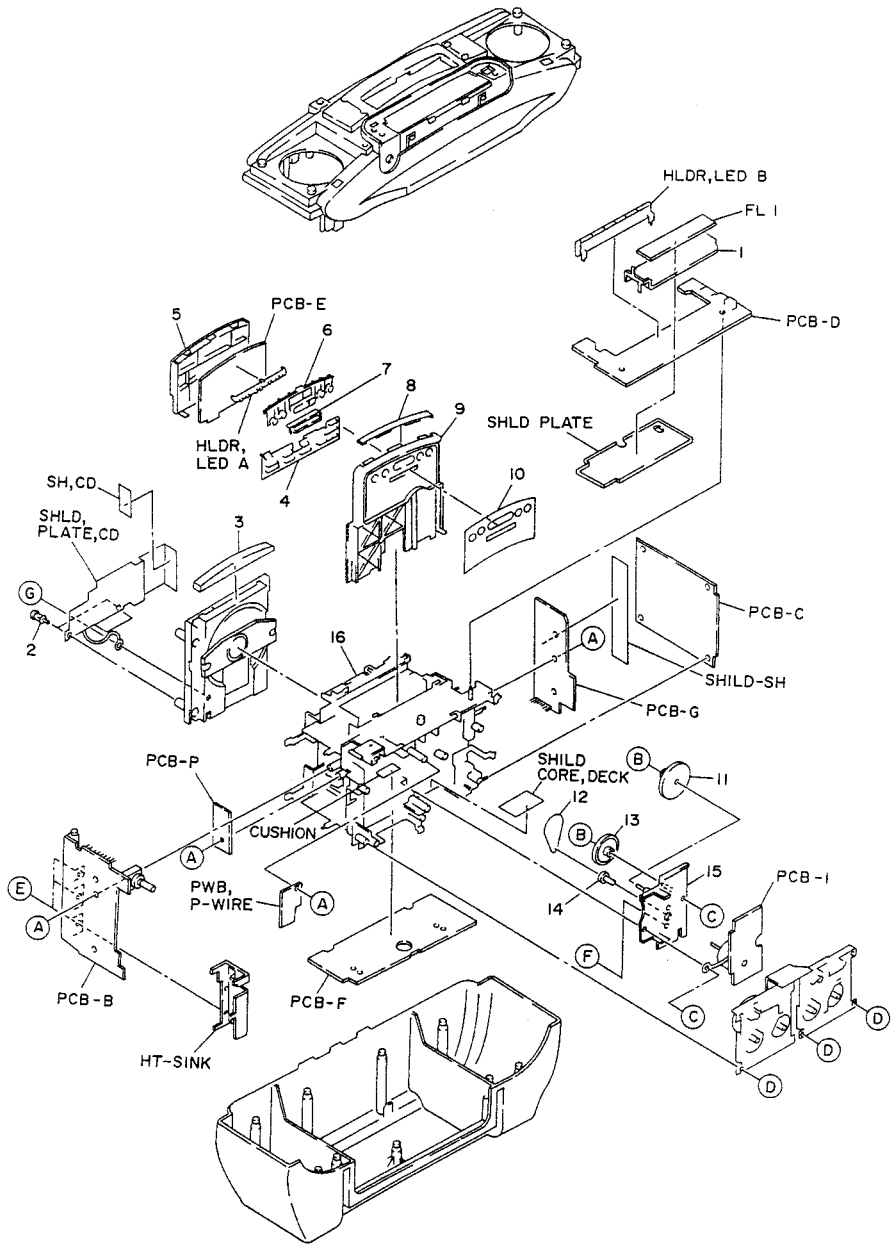


MECHANICAL PARTS LIST 1/2

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
1	82-CD1-043-010		CAB, FR EX
2	82-CD1-039-010		NET, L SPKR ASSY EX
3	82-CD1-057-010		BTN, POWER EX
4	82-CD1-028-010		WINDOW, REMOTE
5	82-CD1-044-010		PANEL, FR EX
6	82-CD1-012-110		WINDOW DISP
7	87-043-114-010		ANT, ROD
8	82-CD1-013-010		LENS, FUNC
9	82-CD1-056-010		KNOB, VOL EX
10	82-CD1-030-010		BTN, OPEN
11	82-CD1-221-010		FRAME, OPEN
12	82-CD1-040-010		NET, R SPKR ASSY EX
13	82-CD1-006-010		GRIP, HDL ASSY
14	82-CD1-035-010		PLATE, AZIMUTH
15	87-064-167-010		OIL DMPR 150
16	82-CD1-003-110		CHAS CASS
17	82-CD1-225-010		HLDR, BAR B
18	82-CD1-222-010		HLDR, ANT B
19	82-CD1-202-010		HLDR, ANT A
20	82-CD1-205-010		HLDR, TU
21	82-CD1-005-010		BOX, CASS R
22	82-CD1-218-010		SPR-P, CASS
23	87-064-107-010		LOCK, PUSH
24	82-CD1-004-010		BOX, CASS L
25	82-CD1-216-010		SPR-T, CASS L
26	82-CD1-017-010		LID, CASS L
27	82-CD1-010-010		WINDOW, CASS L
28	82-CD1-011-010		WINDOW, CASS R
29	82-CD1-018-010		LID, CASS R
30	82-CD1-217-010		SPR-T, CASS R
31	82-CD1-050-010		CAB, REAR H(HD)
31	82-CD1-055-010		CAB, REAR Z(Z)
32	82-CD1-054-010		PLATE, SPEC HD(HD)
32	82-CD1-047-010		PLATE, SPEC Z(Z)
33	82-CD1-045-010		PLATE, AC H(HD)
34	82-CD1-230-010		FIBER, WS
A	87-651-100-410		VT1+3-16
B	87-067-758-010		BVT2+3-12 W/O SLOT
C	87-493-097-410		VWWS+3-12 BLK
D	87-067-581-010		BVT2+3-15W/O SLOT
E	87-653-099-410		VT1+3-15 BLK

MECHANICAL EXPLODED VIEW 2/2



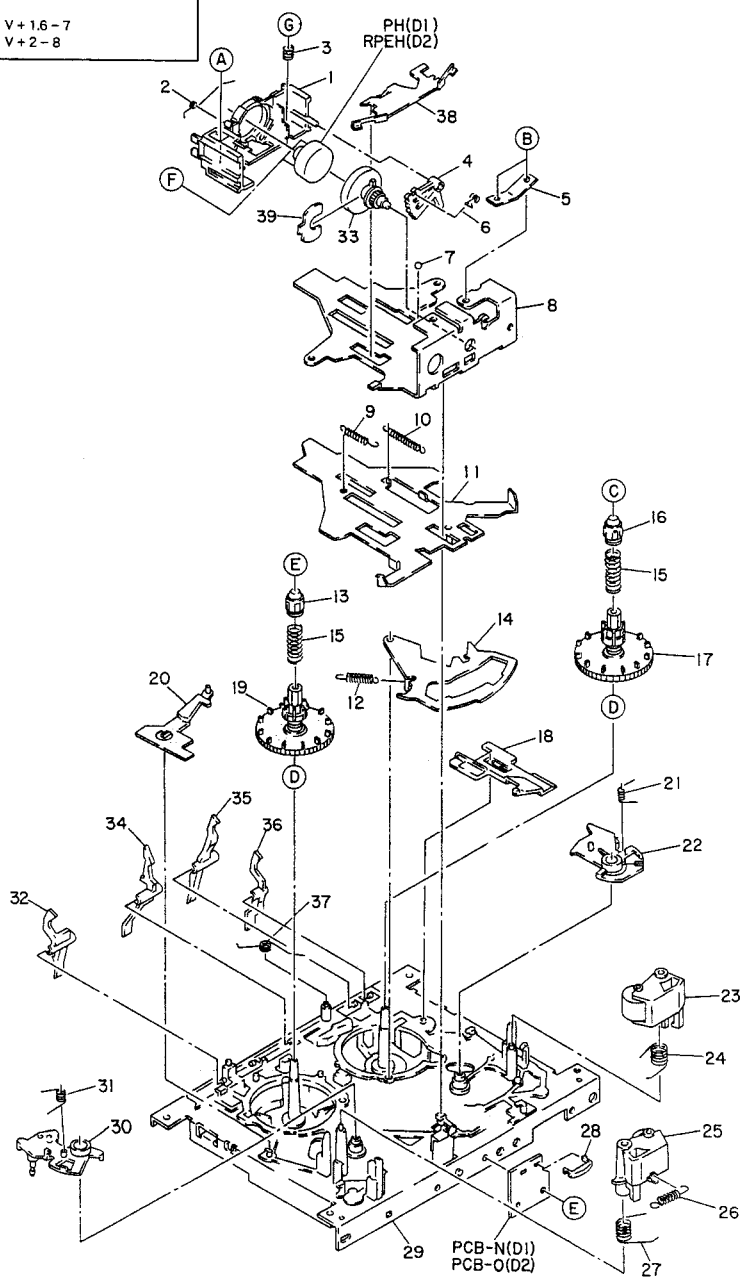
MECHANICAL PARTS LIST 2/2

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	81-DS2-204-210		GUIDE, FL
2	81-CD1-230-010		NYLON RIVET 3.5-4.5
3	82-CD1-016-110		PANEL, CD TRAY
4	82-CD1-051-010		BTN, C EX
5	82-CD1-019-010		COVER, TRAY
6	82-CD1-032-010		BTN, A
7	82-CD1-058-010		BTN, B EX
8	82-CD1-015-010		PANEL, CONT
9	82-CD1-014-110		TRAY CONTROL
10	82-CD1-052-010		PLATE, CONT EX
11	82-CD1-209-010		GEAR
12	81-MT3-219-010		BELT, SQ1.2(M)
13	82-CD1-210-010		PULLEY, LOADING
14	82-CD1-211-010		PULLEY, MOTOR
15	82-CD1-206-010		HLDA, TRAY ASSY
16	82-CD1-201-210		CHAS, CENTRE
A	87-067-579-010		BVT2+3-8W/O SLOT
B	87-067-912-010		PW, 2.68-4.15-0.4 CUT
C	87-326-097-010		QT1+3-12BLK NI
D	87-067-758-010		BVT2+3-12 W/O SLOT
E	87-067-584-010		BVT2+3-6
F	87-261-070-410		V+2.6-3
G	87-067-520-010		VFTT+2-6

TAPE MECHANISM EXPLODED VIEW 1/2

REF. NO.	PART NO.	DESCRIPTION
A	87-261-033-419	V + 2 - 4
B	80-ZM6-251-010	SCREW S AZIMUTH 2
C	86-524-418-010	VFT2 + 1.4 - 5
D	87-067-825-010	PW4.1 - 6.9 - 0.25
E	87-067-174-010	VTT + 2 - 4
F	80-ZM6-207-010	V + 1.6 - 7
G	86-575-363-219	V + 2 - 8

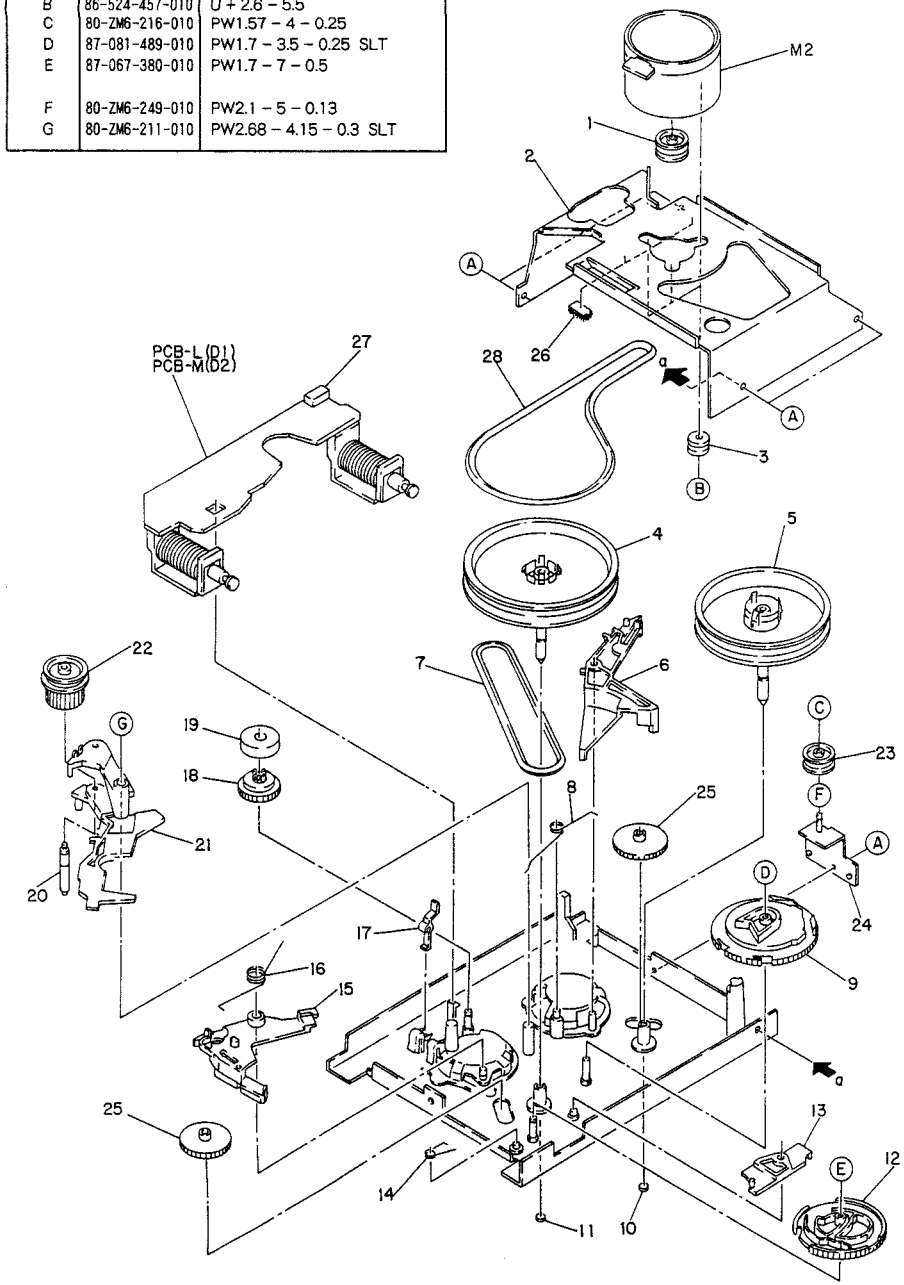


TAPE MECHANISM PARTS LIST 1/2

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	1	86-575-288-510	GUIDE, TAPE		1
	2	86-575-310-210	SPR - T, HEAD		1
	3	86-541-318-110	SPR - C, AZ		1
	4	86-575-290-310	GEAR SEGMENT		1
	5	86-575-343-110	SPR - P, AZIMUTH 2		1
	6	80-ZM6-229-010	SPR - T, GEAR SEG 2	※	1
	7	87-073-018-010	STEEL BALL 1 - 588		1
	8	86-575-311-410	CHAS, HEAD		1
	9	80-ZM6-595-019	SPR - E, SLIDE 4	※	1
	10	86-575-226-010	SPR - E, CHASSIS HEAD		1
	11	86-535-215-510	PLATE ASSY, SLIDE		1
	12	86-535-284-119	SPR - E, LVR DIRECTION		1
	13	86-524-218-319	STOPPER, REEL TABLE S		1
	14	86-535-218-310	LVR, DIRECTION ASSY		1
	15	86-535-293-010	SPR - C, REEL TABLE		2
	16	86-524-233-219	STOPPER, REEL TABLE T		1
	17	86-575-330-010	GEAR ASSY REEL		1
	18	80-ZM6-276-010	LVR, SW 3	※	1
	19	80-ZM6-254-210	GEAR ASSY REEL L	※	1
	20	80-ZM6-277-019	IJECT LEVER L2	※	1
	21	86-535-282-019	SPR - T, PLAY GEAR F		1
	22	86-535-238-310	LVR, PLAY F		1
	23	86-535-226-310	PINCH LEVER ASSY F		1
	24	86-575-222-110	SPR - T, PINCH F		1
	25	86-535-228-410	PINCH LEVER ASSY R		1
	26	86-575-339-010	SPR - E, PINCH 22		1
	27	86-575-341-110	SPR - T, PINCH L		1
	28	86-575-342-010	HLDR WIRE 2		1
	29	80-ZM6-201-810	CHAS ASSY MECH	※	1
	30	86-535-239-110	LVR, PLAY R		1
	31	86-535-283-010	SPR - T, PLAY GEAR R		1
	32	86-575-322-110	LVR, REC A		1
	33	86-575-306-910	HLDR, HOUSING		1
	34	86-575-324-310	LVR, CASSETTE		1
	35	86-575-327-210	LVR, CROM		1
	36	86-575-323-010	LVR, REC B		1
	37	80-ZM6-206-019	SPR - T, CASSETTE	※	1
	38	86-575-347-110	SPR - P HEAD 2		1
	39	86-575-305-010	PLATE, HOUSING		1

TAPE MECHANISM EXPLODED VIEW 2/2

REF. NO.	PART NO.	DESCRIPTION
A	87-067-178-010	VTT + 2.6 – 3
B	86-524-457-010	U + 2.6 – 5.5
C	80-ZM6-216-010	PW1.57 – 4 – 0.25
D	87-081-489-010	PW1.7 – 3.5 – 0.25 SLT
E	87-067-380-010	PW1.7 – 7 – 0.5
F	80-ZM6-249-010	PW2.1 – 5 – 0.13
G	80-ZM6-211-010	PW2.68 – 4.15 – 0.3 SLT

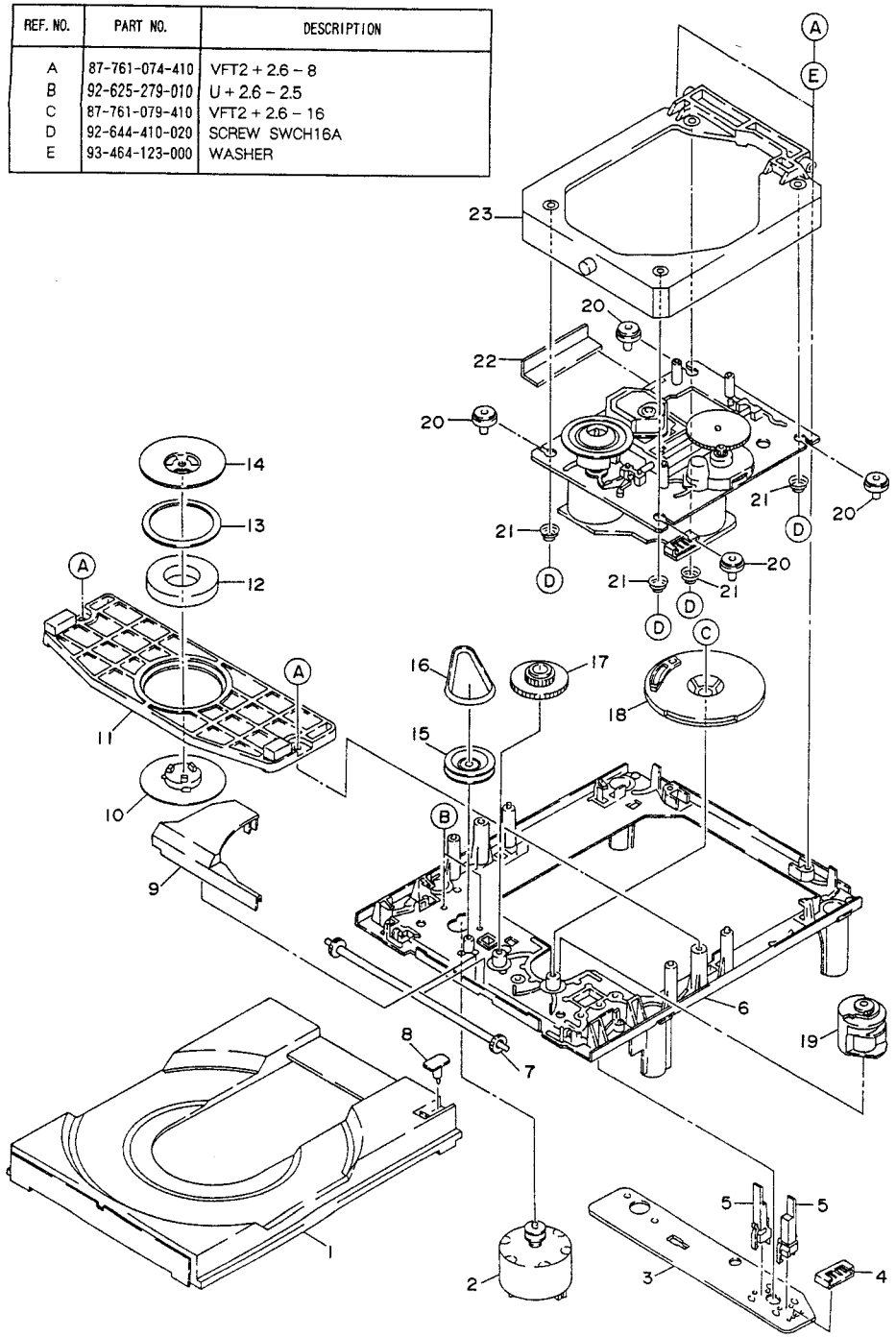


TAPE MECHANICAL PARTS LIST 2/2

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	1	81-ZM7-204-110	PULLEY, MOTOR 4		1
	2	80-ZM6-223-310	HLDR, MOTOR 2	※	1
	3	86-513-441-210	COLLER, MOTOR		3
	4	80-ZM6-203-310	FLY – WHL ASSY R1	※	1
	5	80-ZM6-208-310	FLY – WHL ASSY L1	※	1
	6	86-535-231-510	LVR, TRIGGER PLAY		1
	7	80-ZM6-227-110	BELT SQ 1.2 – 140	※	1
	8	80-ZM6-205-110	SPR – T, MAIN	※	1
	9	86-575-312-210	CAM MAIN		1
	10	80-ZM6-243-010	SH 1.75 – 3.6 – 0.5 SLT	※	1
	11	80-ZM6-242-010	SH 1.95 – 3.6 – 0.5 SLT	※	1
	12	80-ZM6-219-210	CAM, FR MK2 2M	※	1
	13	86-575-229-210	LEVER PAUSE B		1
	14	86-535-291-210	SPR – T, FR CAM		1
	15	86-535-230-510	LEVER TRIGGER FR		1
	16	80-ZM6-220-010	SPR – T, FR 2	※	1
	17	86-575-326-210	LVR, RINK		1
	18	86-575-328-110	GEAR IDLE		1
	19	80-ZM6-217-010	RING MAGNET 2	※	1
	20	80-ZM6-222-110	SHAFT, PULLEY	※	1
	21	80-ZM6-218-110	LVR, FR 2	※	1
	22	80-ZM6-272-010	GEAR, FR 2	※	1
	23	80-ZM6-224-510	PULLEY, COUPLER	※	1
	24	80-ZM6-213-110	HLDR ASSY P	※	1
	25	86-575-221-310	GEAR PLAY		2
	26	80-ZM6-230-010	SH BELT	※	2
	27	80-ZM6-252-010	G CUSH M6	※	1
	28	80-ZM6-225-110	BELT SQ1.3 – 279	※	1
	28	80-ZM6-226-110	BELT SQ1.3 – 262	※	1

CD MECHANISM EXPLODED VIEW 1/2

REF. NO.	PART NO.	DESCRIPTION
A	87-761-074-410	VFT2 + 2.6 – 8
B	92-625-279-010	U + 2.6 – 2.5
C	87-761-079-410	VFT2 + 2.6 – 16
D	92-644-410-020	SCREW SWCH16A
E	93-464-123-000	WASHER

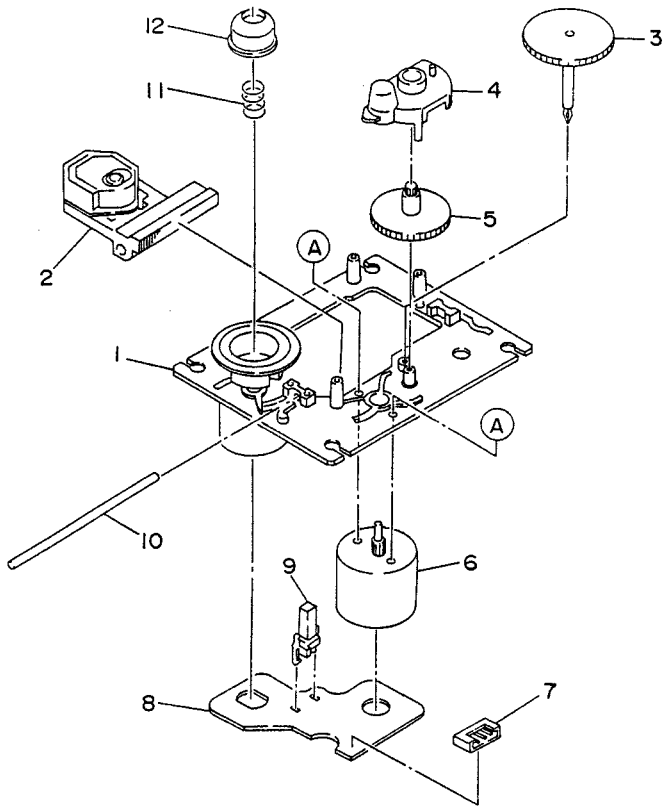


CD MECHANISM PARTS LIST 1/2

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	1	★92-625-288-040	TRAY		1
	2	★9X-262-511-710	LOADING MOTOR ASSY		1
	3	---	PWB, LOADING		1
	4	★91-564-721-110	CONNECTOR 5P		1
	5	91-572-086-110	SWITCH, LEAF		2
	6	---	CHASSIS, MAIN		1
	7	★92-625-275-030	GEAR, TRAY		1
	8	---	SW PIN		1
	9	★92-625-282-020	COVER, GEAR		1
	10	★92-625-286-030	PULLEY, CHUCKING		1
	11	★92-625-284-040	PLATE, CHUCKING		1
	12	★91-452-493-210	MAGNET		1
	13	★92-625-541-010	DAMPER		1
	14	★92-625-277-010	YOKE, CHUCK		1
	15	★92-625-276-010	PULLEY, LOADING		1
	16	★93-653-387-000	BELT, LM		1
	17	★92-625-274-020	GEAR, MEDDLE		1
	18	★92-625-285-030	GEAR, DRIVE		1
	19	★92-625-283-020	CAM, CONTROL		1
	20	★92-625-278-010	INSULATOR		4
	21	★92-625-280-010	SPRING		4
	22	---	PLATE, PUSH		1
	23	---	SUB CHASSIS ASSY W/INSU SHAFT		1

CD MECHANISM EXPLODED VIEW 2/2

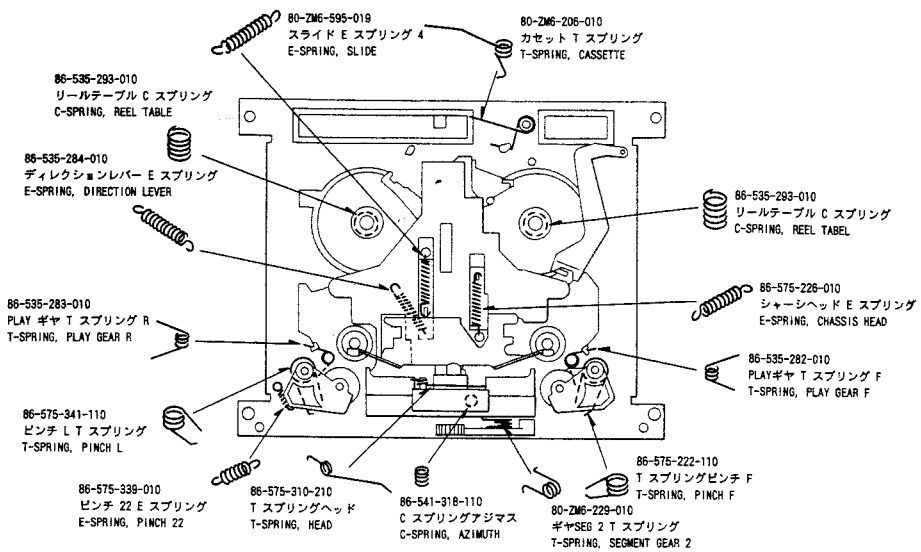
REF. NO.	PART NO.	DESCRIPTION
A	87-261-032-210	V+2-3

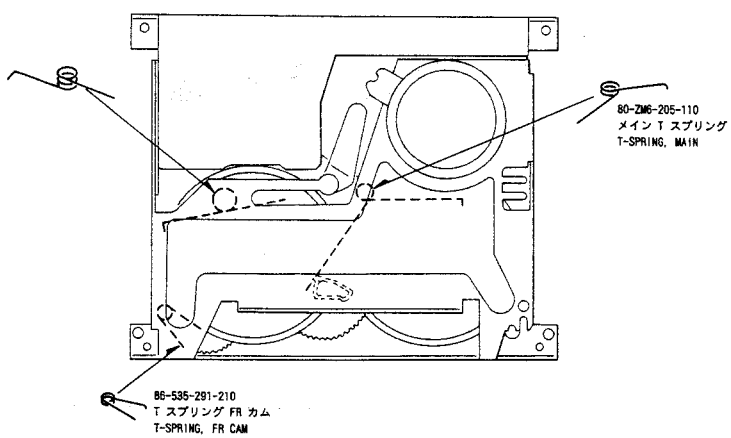


CD MECHANISM PARTS LIST 2/2

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	1	★9X-262-513-310	T.T CHASSIS ASSY W/MOTOR		1
	2	98-848-127-11Z	PICK UP KSS-210A		1
	3	★92-625-188-020	GEAR, A		1
	4	★92-625-544-010	COVER		1
	5	---	GEAR, B		1
	6	★9X-262-513-210	SLED MOTOR ASSY		1
	7	★91-564-722-110	CONNECTOR 6P		1
	8	---	PWB, MOTOR		1
	9	91-572-085-110	SWITCH, LEAF LIMIT		1
	10	★94-917-565-010	SHAFT, SLED		1
	11	★92-625-191-010	SPRING, COMPRESSION		1
	12	★92-625-187-010	RING, CENTER		1

SPRING APPLICATION POSITION





REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER
ｻｰｼﾞｻﾌﾟﾚｯｻ	SERGESUPPRESSOR
ｾﾗｺﾝ	CAP, CERA

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BAT, CONTACT ASSY	BATTERY CONTACT ASSY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
KNOB, VOL REV	KNOB, VOLUME REV
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTORL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOADING MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
SW	SWITCH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL
ｼｬﾌｱｰﾑ	ARM, SHAFT
ｼｬﾌｶﾞｲﾄﾞ	GUIDE, SHAFT
ｽﾄﾗｯﾌﾟ	STRAP
ﾋﾝｼﾞ	HINGE

■ ACCESSORIES／PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	82-CD1-905-019		IB, SR700-ESC-N(Z)
2	82-CD1-906-019		IB, SR700-GFI-N(Z)
3	82-CD1-907-019		IB, SR700-ESC-J(HD)
4	87-034-751-010		AC CORD SET (HD)
5	87-034-594-019		AC CORD SET E(Z)
6	82-CD1-652-019		REMOCON, RC-SR700EX
7	87-039-905-019		CASE, CASSETTE
8	87-009-724-010		PLUG, ADPTR IR39(HD)

サービス技術ニュース	
番号	連絡内容
G－ －	
G－ －	
G－ －	

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